

M W Dunlop

List of Publications by Year in descending order

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352
papers

12,288
citations

31902

53
h-index

40881

93
g-index

360
all docs

360
docs citations

360
times ranked

3586
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cluster Magnetic Field Investigation: overview of in-flight performance and initial results. <i>Annales Geophysicae</i> , 2001, 19, 1207-1217.	0.6	1,042
2	Transport of solar wind into Earth's magnetosphere through rolled-up Kelvinâ€“Helmholtz vortices. <i>Nature</i> , 2004, 430, 755-758.	13.7	562
3	Four-point Cluster application of magnetic field analysis tools: The Curlometer. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 23-1.	3.3	295
4	THE CLUSTER MAGNETIC FIELD INVESTIGATION. <i>Space Science Reviews</i> , 1997, 79, 65-91.	3.7	287
5	Composition and Dynamics of Plasma in Saturn's Magnetosphere. <i>Science</i> , 2005, 307, 1262-1266.	6.0	281
6	Energetic electron response to ULF waves induced by interplanetary shocks in the outer radiation belt. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	266
7	Global Scale-Invariant Dissipation in Collisionless Plasma Turbulence. <i>Physical Review Letters</i> , 2009, 103, 075006.	2.9	186
8	Observations of short largeâ€“amplitude magnetic structures at a quasiâ€“parallel shock. <i>Journal of Geophysical Research</i> , 1992, 97, 4209-4227.	3.3	184
9	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5574-5592.	0.8	136
10	Conditions for the formation of hot flow anomalies at Earth's bow shock. <i>Journal of Geophysical Research</i> , 2000, 105, 12639-12650.	3.3	135
11	Dimensional analysis of observed structures using multipoint magnetic field measurements: Application to Cluster. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	133
12	Temporal evolution of the electric field accelerating electrons away from the auroral ionosphere. <i>Nature</i> , 2001, 414, 724-727.	13.7	132
13	Simultaneous Cluster and IMAGE observations of cusp reconnection and auroral proton spot for northward IMF. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	130
14	Evidence for a flux transfer event generated by multiple Xâ€“line reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	126
15	Cluster observations of continuous reconnection at the magnetopause under steady interplanetary magnetic field conditions. <i>Annales Geophysicae</i> , 2004, 22, 2355-2367.	0.6	118
16	On the importance of interplanetary magnetic field $\hat{x} \times B_y$ on polar cap patch formation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	114
17	High-altitude cusp flow dependence on IMF orientation: A 3-year Cluster statistical study. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	110
18	Motion of observed structures calculated from multi-point magnetic field measurements: Application to Cluster. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	109

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19	Cluster as a wave telescope – first results from the fluxgate magnetometer. <i>Annales Geophysicae</i> , 2001, 19, 1439-1447.	0.6	107
20	Structural evolution and polar order in Sr _{1-x} Ba _x TiO ₃ . <i>Physical Review B</i> , 2002, 65, .	1.1	102
21	Timing of magnetic reconnection initiation during a global magnetospheric substorm onset. <i>Geophysical Research Letters</i> , 2002, 29, 43-1-43-4.	1.5	102
22	Analyses on the geometrical structure of magnetic field in the current sheet based on cluster measurements. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	99
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.	0.6	95
24	Cluster observations of the exterior cusp and its surrounding boundaries under northward IMF. <i>Geophysical Research Letters</i> , 2002, 29, 56-1-56-4.	1.5	87
25	Active current sheets near the Earth's bow shock. <i>Journal of Geophysical Research</i> , 1988, 93, 11295-11310.	3.3	86
26	Reconstruction of two-dimensional magnetopause structures from Cluster observations: verification of method. <i>Annales Geophysicae</i> , 2004, 22, 1251-1266.	0.6	81
27	Nonstationarity and reformation of high-Mach-number quasiperpendicular shocks: Cluster observations. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	80
28	Cluster observations of traveling compression regions in the near-tail. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	79
29	Cluster electric current density measurements within a magnetic flux rope in the plasma sheet. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	77
30	First simultaneous observations of flux transfer events at the high-latitude magnetopause by the Cluster spacecraft and pulsed radar signatures in the conjugate ionosphere by the CUTLASS and EISCAT radars. <i>Annales Geophysicae</i> , 2001, 19, 1491-1508.	0.6	76
31	Optimal reconstruction of magnetopause structures from Cluster data. <i>Annales Geophysicae</i> , 2005, 23, 973-982.	0.6	73
32	Four-point Cluster application of magnetic field analysis tools: The discontinuity analyzer. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 24-1.	3.3	71
33	Identifying magnetic reconnection events using the FOTE method. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1263-1272.	0.8	69
34	Solar wind entry into the high-latitude terrestrial magnetosphere during geomagnetically quiet times. <i>Nature Communications</i> , 2013, 4, 1466.	5.8	68
35	First current density measurements in the ring current region using simultaneous multi-spacecraft CLUSTER-FGM data. <i>Annales Geophysicae</i> , 2005, 23, 1849-1865.	0.6	67
36	Cluster and TC-1 observation of magnetic holes in the plasma sheet. <i>Annales Geophysicae</i> , 2012, 30, 583-595.	0.6	64

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37	Cluster PEACE observations of electrons during magnetospheric flux transfer events. <i>Annales Geophysicae</i> , 2001, 19, 1509-1522.	0.6	63
38	A statistical study of EMIC wave-associated He ⁺ energization in the outer magnetosphere: Cluster/CODIF observations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	63
39	Mirror mode structures observed in the dawn-side magnetosheath by Equator-S. <i>Geophysical Research Letters</i> , 1999, 26, 2159-2162.	1.5	62
40	Satellite observations of separator-line geometry of three-dimensional magnetic reconnection. <i>Nature Physics</i> , 2007, 3, 609-613.	6.5	62
41	Magnetic topologies of an in vivo FTE observed by Double Star/TC-1 at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2013, 40, 3502-3506.	1.5	62
42	Determination of dispersion relations in quasi-stationary plasma turbulence using dual satellite data. <i>Geophysical Research Letters</i> , 1995, 22, 2653-2656.	1.5	61
43	Geomagnetic signatures of current wedge produced by fast flows in a plasma sheet. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	61
44	Global view of dayside magnetic reconnection with the dusk-to-dawn IMF orientation: A statistical study for Double Star and Cluster data. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	60
45	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. <i>Annales Geophysicae</i> , 2012, 30, 1025-1035.	0.6	59
46	Case studies of the dynamics of ionospheric ions in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	58
47	Magnetic field rotation analysis and the applications. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	58
48	Magnetopause reconnection across wide local time. <i>Annales Geophysicae</i> , 2011, 29, 1683-1697.	0.6	57
49	Magnetopause and Boundary Layer. <i>Space Science Reviews</i> , 2005, 118, 231-320.	3.7	56
50	Magnetic configurations of the tilted current sheets in magnetotail. <i>Annales Geophysicae</i> , 2008, 26, 3525-3543.	0.6	56
51	Statistical survey on the magnetic structure in magnetotail current sheets. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	55
52	Energetic electron bursts in the plasma sheet and their relation with BBFs. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8902-8915.	0.8	55
53	Cluster and Double Star multipoint observations of a plasma bubble. <i>Annales Geophysicae</i> , 2009, 27, 725-743.	0.6	54
54	Cluster magnetic field observations in the magnetosheath: four-point measurements of mirror structures. <i>Annales Geophysicae</i> , 2001, 19, 1421-1428.	0.6	54

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55	Intermittent thermal plasma acceleration linked to sporadic motions of the magnetopause, first Cluster results. <i>Annales Geophysicae</i> , 2001, 19, 1523-1532.	0.6	53
56	Cluster survey of the high-altitude cusp properties: a three-year statistical study. <i>Annales Geophysicae</i> , 2004, 22, 3009-3019.	0.6	53
57	Plasma flow in the Jovian magnetosphere and related magnetic effects: Ulysses observations. <i>Journal of Geophysical Research</i> , 1996, 101, 15197-15210.	3.3	51
58	Cluster magnetic field observations of the bowshock: Orientation, motion and structure. <i>Annales Geophysicae</i> , 2001, 19, 1399-1409.	0.6	51
59	Evidence for impulsive solar wind plasma penetration through the dayside magnetopause. <i>Annales Geophysicae</i> , 2003, 21, 457-472.	0.6	51
60	First comparisons of local ion measurements in the inner magnetosphere with energetic neutral atom magnetospheric image inversions: Cluster-CIS and IMAGE-HENA observations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	51
61	Coordinated ground-based and Cluster observations of large amplitude global magnetospheric oscillations during a fast solar wind speed interval. <i>Annales Geophysicae</i> , 2002, 20, 405-426.	0.6	51
62	Identification of magnetosheath mirror modes in Equator-S magnetic field data. <i>Annales Geophysicae</i> , 1999, 17, 1560-1573.	0.6	50
63	Four spacecraft measurements of the quasiperpendicular terrestrial bow shock: Orientation and motion. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 10-1-SSH 10-11.	3.3	49
64	Asymmetry of magnetosheath flows and magnetopause shape during low Alfvén Mach number solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1089-1100.	0.8	49
65	Three-dimensional magnetic flux rope structure formed by multiple sequential reconnection at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1904-1911.	0.8	48
66	The exterior cusp and its boundary with the magnetosheath: Cluster multi-event analysis. <i>Annales Geophysicae</i> , 2004, 22, 3039-3054.	0.6	47
67	Coordinated Cluster/Double Star observations of dayside reconnection signatures. <i>Annales Geophysicae</i> , 2005, 23, 2867-2875.	0.6	47
68	Flattened current sheet and its evolution in substorms. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	46
69	A case study of EMIC wave-associated He ⁺ energization in the outer magnetosphere: Cluster and Double Star 1 observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	46
70	Dimensionality, Coordinate System and Reference Frame for Analysis of In-Situ Space Plasma and Field Data. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	46
71	Cluster observations of surface waves on the dawn flank magnetopause. <i>Annales Geophysicae</i> , 2004, 22, 971-983.	0.6	45
72	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.	0.8	45

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73	In situ magnetic field observations of the AMPTE artificial comet. <i>Nature</i> , 1986, 320, 708-711.	13.7	44
74	Source of whistler emissions at the dayside magnetopause. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	44
75	Cluster observations of fast magnetosonic waves in the terrestrial foreshock. <i>Geophysical Research Letters</i> , 2002, 29, 3-1-3-4.	1.5	43
76	A Cluster measurement of fast magnetic reconnection in the magnetotail. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	42
77	Kinetic study of the mirror mode. <i>Journal of Geophysical Research</i> , 2001, 106, 21611-21622.	3.3	41
78	Cluster magnetic field observations at a quasi-parallel bow shock. <i>Annales Geophysicae</i> , 2002, 20, 1699-1710.	0.6	41
79	Extended Magnetic Reconnection across the Dayside Magnetopause. <i>Physical Review Letters</i> , 2011, 107, 025004.	2.9	41
80	AMPTE observations of mirror mode waves in the magnetosheath: Wavevector determination. <i>Journal of Geophysical Research</i> , 1999, 104, 437-447.	3.3	40
81	Cluster observations of magnetic field fluctuations in the high-altitude cusp. <i>Annales Geophysicae</i> , 2004, 22, 2413-2429.	0.6	40
82	Orientation and motion of a discontinuity from Cluster curlometer capability: Minimum variance of current density. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	40
83	Wal ^Å on and slow-mode shock analyses in the near-Earth magnetotail in connection with a substorm onset on 27 August 2001. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	40
84	In situ magnetic field measurements during AMPTE solar wind Li ^{sup} +</sup> releases. <i>Journal of Geophysical Research</i> , 1986, 91, 1261-1270.	3.3	39
85	Cluster observations of âœœcraterâœ flux transfer events at the dayside highâœ latitude magnetopause. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	39
86	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.	0.6	39
87	Temporal evolution of two auroral arcs as measured by the Cluster satellite and coordinated ground-based instruments. <i>Annales Geophysicae</i> , 2004, 22, 4089-4101.	0.6	39
88	Cluster observations of the high-latitude magnetopause and cusp: initial results from the CIS ion instruments. <i>Annales Geophysicae</i> , 2001, 19, 1545-1566.	0.6	38
89	Ion sound wave packets at the quasiperpendicular shock front. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	38
90	Orientation and motion of a plasma discontinuity from single-spacecraft measurements: Generic residue analysis of Cluster data. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	38

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91	Cluster observations of electrostatic solitary waves near the Earth's bow shock. Journal of Geophysical Research, 2008, 113, .	3.3	38
92	Multi-spacecraft observations of broadband waves near the lower hybrid frequency at the Earthward edge of the magnetopause. Annales Geophysicae, 2001, 19, 1471-1481.	0.6	37
93	CLUSTER encounters with the high altitude cusp: boundary structure and magnetic field depletions. Annales Geophysicae, 2004, 22, 1739-1754.	0.6	37
94	Multisatellite measurements of electron phase space density gradients in the Earth's inner and outer magnetosphere. Journal of Geophysical Research, 2004, 109, .	3.3	37
95	Ordering of momentum transfer along $\sqrt{N}\mu B$ in the AMPTE solar wind releases. Journal of Geophysical Research, 1986, 91, 8051-8055.	3.3	36
96	An interplanetary planar magnetic structure oriented at a large ($\hat{\sim}$ 80 deg) angle to the Parker spiral. Geophysical Research Letters, 1990, 17, 1025-1028.	1.5	36
97	Least-squares gradient calculation from multi-point observations of scalar and vector fields: methodology and applications with Cluster in the plasmasphere. Annales Geophysicae, 2007, 25, 971-987.	0.6	36
98	Multiple bidirectional EMIC waves observed by Cluster at middle magnetic latitudes in the dayside magnetosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 6266-6278.	0.8	36
99	Triple cusps observed by Cluster-Temporal or spatial effect?. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	35
100	Cluster at the Magnetospheric Cusps. Space Science Reviews, 2005, 118, 321-366.	3.7	35
101	Analysis of plasmaspheric plumes: CLUSTER and IMAGE observations. Annales Geophysicae, 2006, 24, 1737-1758.	0.6	35
102	Spontaneous Generation of Self-Organized Solitary Wave Structures at Earth's Magnetopause. Physical Review Letters, 2007, 99, 205006.	2.9	35
103	Reconnection at High Latitudes: Antiparallel Merging. Physical Review Letters, 2009, 102, 075005.	2.9	35
104	Cluster survey of cusp reconnection and its IMF dependence. Geophysical Research Letters, 2004, 31, .	1.5	34
105	Cluster Observes the High-Altitude CUSP Region. Surveys in Geophysics, 2005, 26, 135-175.	2.1	34
106	South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. Journal of Geophysical Research, 2010, 115, .	3.3	34
107	Earth's ion upflow associated with polar cap patches: Global and in situ observations. Geophysical Research Letters, 2016, 43, 1845-1853.	1.5	34
108	The magnetic field experiment onboard Equator-S and its scientific possibilities. Annales Geophysicae, 1999, 17, 1521-1527.	0.6	33

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109	Cluster four spacecraft measurements of small traveling compression regions in the near-tail. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	33
110	Magnetopause current as seen by Cluster. <i>Annales Geophysicae</i> , 2005, 23, 901-907.	0.6	33
111	Electron trapping around a magnetic null. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	33
112	Statistical analysis of earthward flow bursts in the inner plasma sheet during substorms. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	33
113	Profile of strong magnetic field B_y component in magnetotail current sheets. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33
114	Transient plasma injections in the dayside magnetosphere: one-to-one correlated observations by Cluster and SuperDARN. <i>Annales Geophysicae</i> , 2004, 22, 141-158.	0.6	33
115	Coordinated Cluster, ground-based instrumentation and low-altitude satellite observations of transient poleward-moving events in the ionosphere and in the tail lobe. <i>Annales Geophysicae</i> , 2001, 19, 1589-1612.	0.6	32
116	Double Star TC-1 observations of component reconnection at the dayside magnetopause: a preliminary study. <i>Annales Geophysicae</i> , 2005, 23, 2889-2895.	0.6	32
117	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
118	Direct calculation of the ring current distribution and magnetic structure seen by Cluster during geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2458-2465.	0.8	32
119	Simultaneous field-aligned currents at Swarm and Cluster satellites. <i>Geophysical Research Letters</i> , 2015, 42, 3683-3691.	1.5	32
120	Cluster observations of the heliospheric current sheet and an associated magnetic flux rope and comparisons with ACE. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 9-1.	3.3	31
121	Cluster observations of the high-altitude cusp for northward interplanetary magnetic field: A case study. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	31
122	Spatial gradients from irregular, multiple-point spacecraft configurations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	31
123	Cluster observes the Earth's magnetopause: coordinated four-point magnetic field measurements. <i>Annales Geophysicae</i> , 2001, 19, 1449-1460.	0.6	31
124	Identifying nonlinear wave interactions in plasmas using two-point measurements: A case study of Short Large Amplitude Magnetic Structures (SLAMS). <i>Journal of Geophysical Research</i> , 1999, 104, 17079-17090.	3.3	30
125	Coordinated Cluster and ground-based instrument observations of transient changes in the magnetopause boundary layer during an interval of predominantly northward IMF: relation to reconnection pulses and FTE signatures. <i>Annales Geophysicae</i> , 2001, 19, 1613-1640.	0.6	30
126	Minimum variance free wave identification: Application to Cluster electric field data in the magnetosheath. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	30

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127	TC-1 observations of flux pileup and dipolarization-associated expansion in the near-Earth magnetotail during substorms. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	30
128	The high-altitude cusps: HEOS 2. <i>Journal of Geophysical Research</i> , 2000, 105, 27509-27517.	3.3	29
129	Bursty energetic electrons confined in flux ropes in the cusp region. <i>Planetary and Space Science</i> , 2003, 51, 821-830.	0.9	29
130	Energetic Electrons as a Field Line Topology Tracer in the High Latitude Boundary/CUSP Region: Cluster Rapid Observations. <i>Surveys in Geophysics</i> , 2005, 26, 215-240.	2.1	29
131	On the generation of enhanced sunward convection and transpolar aurora in the high-latitude ionosphere by magnetic merging. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	29
132	Multispacecraft current estimates at swarm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8307-8316.	0.8	29
133	Magnetic Nulls in the Reconnection Driven by Turbulence. <i>Astrophysical Journal</i> , 2018, 852, 17.	1.6	29
134	Multiple Flux Rope Events at the High-Latitude Magnetopause: Cluster/Rapid Observation on 26 January, 2001. <i>Surveys in Geophysics</i> , 2005, 26, 193-214.	2.1	28
135	Characteristics of terrestrial foreshock ULF waves: Cluster observations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	28
136	A magnetic null geometry reconstructed from Cluster spacecraft observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	28
137	Observations of electron distributions in magnetosheath mirror mode waves. <i>Journal of Geophysical Research</i> , 1998, 103, 26765-26774.	3.3	27
138	Lower hybrid waves at the shock front: a reassessment. <i>Annales Geophysicae</i> , 2008, 26, 699-707.	0.6	27
139	Spatial gradients in the plasmasphere from Cluster. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	26
140	Near-Earth substorm features from multiple satellite observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26
141	Testing linear theory of EMIC waves in the inner magnetosphere: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1004-1027.	0.8	26
142	Structure and evolution of flux transfer events near dayside magnetic reconnection dissipation region: MMS observations. <i>Geophysical Research Letters</i> , 2017, 44, 5951-5959.	1.5	26
143	Dual-spacecraft observations of standing waves in the magnetosheath. <i>Journal of Geophysical Research</i> , 2001, 106, 25395-25408.	3.3	25
144	Orientation and motion of a discontinuity from single-spacecraft measurements of plasma velocity and density: Minimum mass flux residue. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	25

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145	Cluster Observations of the CUSP: Magnetic Structure and Dynamics. <i>Surveys in Geophysics</i> , 2005, 26, 5-55.	2.1	25
146	Coordinated studies of the geospace environment using Cluster, satellite and ground-based data: an interim review. <i>Annales Geophysicae</i> , 2005, 23, 2129-2170.	0.6	25
147	The distribution of the ring current: Cluster observations. <i>Annales Geophysicae</i> , 2011, 29, 1655-1662.	0.6	25
148	Compressible turbulence with slow-mode waves observed in the bursty bulk flow of plasma sheet. <i>Geophysical Research Letters</i> , 2016, 43, 1854-1861.	1.5	25
149	Magnetospheric Multiscale Observation of Kinetic Signatures in the Alfvén Vortex. <i>Astrophysical Journal Letters</i> , 2019, 871, L22.	3.0	25
150	Determination of the dispersion of low frequency waves downstream of a quasiperpendicular collisionless shock. <i>Annales Geophysicae</i> , 1997, 15, 143-151.	0.6	24
151	On the formation of the high-altitude stagnant cusp: Cluster observations. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	24
152	A comparison of Cluster magnetic data with the Tsyganenko 2001 model. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	24
153	Effect of a northward turning of the interplanetary magnetic field on cusp precipitation as observed by Cluster. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	24
154	Tracing solar wind plasma entry into the magnetosphere using ion-to-electron temperature ratio. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	24
155	Dependence of IMF B_z penetration into the neutral sheet on IMF B_z and geomagnetic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5279-5285.	0.8	24
156	The force-free configuration of flux ropes in geomagnetotail: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6327-6341.	0.8	24
157	Polar cap patch transportation beyond the classic scenario. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9063-9074.	0.8	24
158	Pulsed flows at the high-altitude cusp poleward boundary, and associated ionospheric convection and particle signatures, during a Cluster - FAST - SuperDARN- SAMRESTRAM conjunction under a southwest IMF. <i>Annales Geophysicae</i> , 2004, 22, 2891-2905.	0.6	23
159	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
160	Observation of the terrestrial bow shock in quasi-electrostatic subshock regime. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 1-1-SSH 1-9.	3.3	22
161	Observations of auroral broadband emissions by CLUSTER. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	22
162	Cluster observation of plasma flow reversal in the magnetotail during a substorm. <i>Annales Geophysicae</i> , 2006, 24, 2005-2013.	0.6	22

#	ARTICLE	IF	CITATIONS
163	Geometry of the high-latitude magnetopause as observed by Cluster. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	22
164	Internal structure of a magnetic flux rope from Cluster observations. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	22
165	Phase structure of Pc3 waves observed by Cluster and ground stations near the cusp. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
166	Multiple Triangulation Analysis: another approach to determine the orientation of magnetic flux ropes. <i>Annales Geophysicae</i> , 2006, 24, 1759-1765.	0.6	21
167	Multispacecraft and ground-based observations of substorm timing and activations: Two case studies. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	21
168	Simultaneous observations of reconnection pulses at Cluster and their effects on the cusp aurora observed at the Chinese Yellow River Station. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
169	Whistler mode wave generation at the edges of a magnetic dip. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2469-2476.	0.8	21
170	Ulysses observations of the magnetic field structure within CIRs. <i>Geophysical Research Letters</i> , 2000, 27, 625-628.	1.5	20
171	On the location of dayside magnetic reconnection during an interval of duskward oriented IMF. <i>Annales Geophysicae</i> , 2007, 25, 219-238.	0.6	20
172	Cluster observations of fast shocks in the magnetosheath launched as a tangential discontinuity with a pressure increase crossed the bow shock. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	20
173	Multipoint observations of transient reconnection signatures in the cusp precipitation: A Cluster-IMAGE detailed case study. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	19
174	Temporal evolution of a staircase ion signature observed by Cluster in the mid-altitude polar cusp. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	19
175	Determining the full magnetic field gradient from two spacecraft measurements under special constraints. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
176	Two different types of plasmoids in the plasma sheet: Cluster multisatellite analysis application. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5437-5444.	0.8	19
177	Coordinated ground-based, low altitude satellite and Cluster observations on global and local scales during a transient post-noon sector excursion of the magnetospheric cusp. <i>Annales Geophysicae</i> , 2001, 19, 1367-1398.	0.6	19
178	Multisatellite observations of large magnetic depressions in the solar wind. <i>Journal of Geophysical Research</i> , 2000, 105, 2325-2335.	3.3	18
179	Polar, Cluster and SuperDARN evidence for high-latitude merging during southward IMF: temporal/spatial evolution. <i>Annales Geophysicae</i> , 2003, 21, 2233-2258.	0.6	18
180	Reconnection at the dayside magnetopause: Comparisons of global MHD simulation results with Cluster and Double Star observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18

#	ARTICLE	IF	CITATIONS
181	X line distribution determined from earthward and tailward convective bursty flows in the central plasma sheet. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	18
182	The statistical studies of the inner boundary of plasma sheet. <i>Annales Geophysicae</i> , 2011, 29, 289-298.	0.6	18
183	Method for inferring the axis orientation of cylindrical magnetic flux rope based on single-point measurement. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 271-283.	0.8	18
184	Storm time current distribution in the inner equatorial magnetosphere: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5250-5259.	0.8	18
185	Commentary on accessing 3D currents in space: Experiences from Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7881-7886.	0.8	18
186	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 6, .	1.1	18
187	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solar-Terrestrial Relation. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	18
188	Curvature Technique and Applications. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029538.	0.8	18
189	Auroral signature of comet Shoemaker-Levy 9 in the jovian magnetosphere. <i>Science</i> , 1995, 267, 1317-1320.	6.0	17
190	Cluster electron observations of the separatrix layer during traveling compression regions. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	17
191	The Distribution of Two Flapping Types of Magnetotail Current Sheet: Implication for the Flapping Mechanism. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7413-7423.	0.8	17
192	First Cluster results of the magnetic field structure of the mid- and high-altitude cusps. <i>Annales Geophysicae</i> , 2001, 19, 1533-1543.	0.6	16
193	Cluster encounter with an energetic electron beam during a substorm. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	16
194	TC1 and Cluster observation of an FTE on 4 January 2005: A close conjunction. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	16
195	Vortex-like plasma flow structures observed by Cluster at the boundary of the outer radiation belt and ring current: A link between the inner and outer magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	16
196	Convective bursty flows in the near-Earth magnetotail inside 13 R_E . <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	16
197	Intense $\langle i \rangle$ Variations Driven by Near-Earth Bursty Bulk Flows (BBFs): A Case Study. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091781.	1.5	16
198	Dual spacecraft determinations of magnetopause motion. <i>Geophysical Research Letters</i> , 2000, 27, 1835-1838.	1.5	15

#	ARTICLE	IF	CITATIONS
199	The magnetic structure of an earthward-moving flux rope observed by Cluster in the near-tail. <i>Annales Geophysicae</i> , 2007, 25, 1471-1476.	0.6	15
200	Downward current electron beam observed by Cluster and FAST. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	15
201	Comparison of eight years magnetic field data from Cluster with Tsyganenko models in the inner magnetosphere. <i>Annales Geophysicae</i> , 2010, 28, 309-326.	0.6	15
202	Empirical reconstruction and long-duration tracking of the magnetospheric boundary in single- and multi-spacecraft contexts. <i>Annales Geophysicae</i> , 2005, 23, 1355-1369.	0.6	14
203	New approach for determining the normal of the bow shock based on Cluster four-point magnetic field measurements. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	14
204	Multiple cusps during an extended northward IMF period with a significant B_y component. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	14
205	Magnetotail dipolarization and associated current systems observed by Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	14
206	Shape, size, velocity and field-aligned currents of dayside plasma injections: a multi-altitude study. <i>Annales Geophysicae</i> , 2009, 27, 1251-1266.	0.6	14
207	Experimental study of nonlinear interaction of plasma flow with charged thin current sheets: 2. Hall dynamics, mass and momentum transfer. <i>Nonlinear Processes in Geophysics</i> , 2006, 13, 377-392.	0.6	14
208	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. <i>Experimental Astronomy</i> , 2022, 54, 427-471.	1.6	14
209	Nonthermal ions and associated magnetic field behavior at a quasi-parallel Earth's bow shock. <i>Journal of Geophysical Research</i> , 1993, 98, 3889-3905.	3.3	13
210	Observations of a very thin shock. <i>Advances in Space Research</i> , 1999, 24, 47-50.	1.2	13
211	Experimental study of nonlinear interaction of plasma flow with charged thin current sheets: 1. Boundary structure and motion. <i>Nonlinear Processes in Geophysics</i> , 2006, 13, 365-376.	0.6	13
212	Double cusp encounter by Cluster: double cusp or motion of the cusp?. <i>Annales Geophysicae</i> , 2013, 31, 713-723.	0.6	13
213	Influences of the interplanetary magnetic field clock angle and cone angle on the field-aligned currents in the magnetotail. <i>Geophysical Research Letters</i> , 2013, 40, 5355-5359.	1.5	13
214	Dilution-induced spin canting in ferromagnets with competing interactions; prototype for transverse pseudo-spin-glass order. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, 1465-1480.	1.5	12
215	Analysis of thick, non-planar boundaries using the discontinuity analyser. <i>Annales Geophysicae</i> , 1999, 17, 984-995.	0.6	12
216	Experimental method for identification of dispersive three-wave coupling in space plasma. <i>Advances in Space Research</i> , 2000, 25, 1571-1577.	1.2	12

#	ARTICLE	IF	CITATIONS
217	Reconstruction of the magnetopause and low-latitude boundary layer topology using Cluster multi-point measurements. <i>Annales Geophysicae</i> , 2004, 22, 2381-2389.	0.6	12
218	Coupling of perturbations in the solar wind density to global Pi3 pulsations: A case study. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	12
219	Electron structure of the magnetopause boundary layer: Cluster/Double Star observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
220	Applications of the wave kinetic approach: From laser wakefields to drift wave turbulence. <i>Physics of Plasmas</i> , 2009, 16, 055904.	0.7	12
221	Turbulence in the Earth's cusp region: The k^{-1} filtering analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9527-9542.	0.8	12
222	Temporal and spatial scales of a high-flux electron disturbance in the cusp region: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4536-4543.	0.8	12
223	X lines in the magnetotail for southward and northward IMF conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7764-7773.	0.8	12
224	Hall and finite Larmor radius effects on the dipolarization fronts associated with interchange instability. <i>Geophysical Research Letters</i> , 2015, 42, 10,099.	1.5	12
225	Carriers and Sources of Magnetopause Current: MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5464-5475.	0.8	12
226	Large-Amplitude Electromagnetic Ion Cyclotron Waves and Density Fluctuations in the Flank of the Earth's Magnetosheath. <i>Geophysical Research Letters</i> , 2019, 46, 4545-4553.	1.5	12
227	Simultaneous tracking of reconnected flux tubes: Cluster and conjugate SuperDARN observations on 1 April 2004. <i>Annales Geophysicae</i> , 2008, 26, 1545-1557.	0.6	11
228	Impact of measurement uncertainties on universal scaling of MHD turbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 951-955.	1.6	11
229	The particle carriers of field-aligned currents in the Earth's magnetotail during a substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3058-3068.	0.8	11
230	<i>In-situ</i> observations of flux ropes formed in association with a pair of spiral nulls in magnetotail plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	11
231	Modulation of Ion and Electron Pitch Angle in the Presence of Large-amplitude, Low-frequency, Left-hand Circularly Polarized Electromagnetic Waves Observed by MMS. <i>Astrophysical Journal</i> , 2018, 867, 58.	1.6	11
232	Low-frequency electromagnetic waves near and below the proton cyclotron frequency at the AMPTE Ba release: Relevance to comets and Mars. <i>Journal of Geophysical Research</i> , 1999, 104, 6763-6771.	3.3	10
233	Time domain analysis of plasma turbulence observed upstream of a quasi-parallel shock. <i>Journal of Geophysical Research</i> , 2001, 106, 25005-25021.	3.3	10
234	Mirror structures in the magnetosheath: 3D structures on plane waves. <i>Advances in Space Research</i> , 2002, 30, 2745-2750.	1.2	10

#	ARTICLE	IF	CITATIONS
235	Global control of merging by the interplanetary magnetic field: Cluster observations of dawnside flank magnetopause reconnection. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	10
236	Ionospheric signatures of plasma injections in the cusp triggered by solar wind pressure pulses. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	10
237	Electrodynamics of a split-transpolar aurora. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	10
238	Relationship between FAC at plasma sheet boundary layers and AE index during storms from August to October, 2001. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 842-848.	0.9	10
239	Two sources of magnetosheath ions observed by Cluster in the mid-altitude polar cusp. <i>Advances in Space Research</i> , 2008, 41, 1528-1536.	1.2	10
240	Electron source associated with dipolarization at the outer boundary of the radiation belts: Nonstorm cases. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	10
241	Solar wind plasma entry observed by cluster in the high-latitude magnetospheric lobes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4135-4144.	0.8	10
242	Ion and Electron Dynamics in the Presence of Mirror, Electromagnetic Ion Cyclotron, and Whistler Waves. <i>Astrophysical Journal</i> , 2019, 883, 185.	1.6	10
243	Observation of energy-time dispersed ion structures in the magnetosheath by CLUSTER: possible signatures of transient acceleration processes at shock. <i>Annales Geophysicae</i> , 2003, 21, 1483-1495.	0.6	10
244	Local wavelet correlation: application to timing analysis of multi-satellite CLUSTER data. <i>Annales Geophysicae</i> , 2004, 22, 4185-4196.	0.6	10
245	Simultaneous Double Star and Cluster FTEs observations on the dawnside flank of the magnetosphere. <i>Annales Geophysicae</i> , 2005, 23, 2877-2887.	0.6	9
246	The magnetic configuration of the high-latitude cusp and dayside magnetopause under strong magnetic shears. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	9
247	Inner plasma structure of the low-latitude reconnection layer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
248	Cluster observations of the dusk flank magnetopause near the sash: Ion dynamics and flow through reconnection. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
249	Alfvén: magnetosphere-ionosphere connection explorers. <i>Experimental Astronomy</i> , 2012, 33, 445-489.	1.6	9
250	Robust statistical properties of the size of large burst events in AE. <i>Geophysical Research Letters</i> , 2015, 42, 9197-9202.	1.5	9
251	Simultaneous Cluster and CUTLASS Observations of FTEs on 11 February 2004. <i>Chinese Journal of Geophysics</i> , 2008, 51, 1-11.	0.2	8
252	An interpretation for the bipolar electric field structures parallel to the magnetic field observed in the auroral ionosphere. <i>Annales Geophysicae</i> , 2008, 26, 1431-1437.	0.6	8

#	ARTICLE	IF	CITATIONS
253	Tailward leap of multiple expansions of the plasma sheet during a moderately intense substorm: THEMIS observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	8
254	Statistical characteristics of slow earthward and tailward flows in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6199-6206.	0.8	8
255	Observations of the step-like accelerating processes of cold ions in the reconnection layer at the dayside magnetopause. <i>Science Bulletin</i> , 2018, 63, 31-37.	4.3	8
256	MMS Observation of Secondary Magnetic Reconnection Beside Ionâ€š-Scale Flux Rope at the Magnetopause. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089075.	1.5	8
257	Unusual Location of the Geotail Magnetopause Near Lunar Orbit: A Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027401.	0.8	8
258	Identification of the Nature of Electromagnetic Waves near the Proton-cyclotron Frequency in Solar-terrestrial Plasmas. <i>Astrophysical Journal</i> , 2020, 890, 17.	1.6	8
259	Cluster at the Magnetospheric Cusps. <i>Space Sciences Series of ISSI</i> , 2005, , 321-366.	0.0	8
260	Cluster observations of a complex high-altitude cusp passage during highly variable IMF. <i>Annales Geophysicae</i> , 2004, 22, 3707-3719.	0.6	7
261	Shock-driven variation in ionospheric outflow during the 11 October 2001 moderate storm. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	7
262	Spatial dependence of magnetopause energy transfer: Cluster measurements verifying global simulations. <i>Annales Geophysicae</i> , 2011, 29, 823-838.	0.6	7
263	Mesoscale structure of a morning sector ionospheric shear flow region determined by conjugate Cluster II and MIRACLE ground-based observations. <i>Annales Geophysicae</i> , 2003, 21, 1737-1751.	0.6	7
264	Interplanetary magnetic field rotations followed from L1 to the ground: the response of the Earth's magnetosphere as seen by multi-spacecraft and ground-based observations. <i>Annales Geophysicae</i> , 2011, 29, 1549-1569.	0.6	7
265	Dynamics and local boundary properties of the dawn-side magnetopause under conditions observed by Equator-S. <i>Annales Geophysicae</i> , 1999, 17, 1535-1559.	0.6	6
266	Equator-S observations of ion cyclotron waves outside the dawnside magnetopause. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 4-1.	3.3	6
267	Prelude to THEMIS tail conjunction study. <i>Annales Geophysicae</i> , 2007, 25, 1001-1009.	0.6	6
268	Strong space plasma magnetic barriers and AlfvÃ©nic collapse. <i>JETP Letters</i> , 2007, 85, 236-241.	0.4	6
269	Mode identification of terrestrial ULF waves observed by Cluster: A case study. <i>Planetary and Space Science</i> , 2007, 55, 2257-2260.	0.9	6
270	Cusp observations during a sequence of fast IMF <math>B_z</math> reversals. <i>Annales Geophysicae</i> , 2009, 27, 2721-2737.	0.6	6

#	ARTICLE	IF	CITATIONS
271	The relations between density of FACs in the plasma sheet boundary layers and Kp index. <i>Science China Technological Sciences</i> , 2011, 54, 2987-2992.	2.0	6
272	Coordinated Cluster/Double Star and ground-based observations of dayside reconnection signatures on 11 February 2004. <i>Annales Geophysicae</i> , 2011, 29, 1827-1847.	0.6	6
273	Inter-hemispheric asymmetry of dependence of the cusp location on dipole tilt during northward IMF conditions. <i>Annales Geophysicae</i> , 2012, 30, 21-26.	0.6	6
274	SuperDARN CUTLASS Finland radar observations of high-latitude magnetic reconnections under northward interplanetary magnetic field (IMF) conditions. <i>Science China Technological Sciences</i> , 2012, 55, 1207-1216.	2.0	6
275	Parallel-dominant and perpendicular-dominant components of the fast bulk flow: Comparing with the PSBL beams. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9500-9512.	0.8	6
276	Evolution of clustered magnetic nulls in a turbulent-like reconnection region in the magnetotail. <i>Science Bulletin</i> , 2016, 61, 1145-1150.	4.3	6
277	Statistical Correlation Analysis of Field-Aligned Currents Measured by Swarm. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8170-8184.	0.8	6
278	Determination of the Configurations of Boundaries in Space. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028163.	0.8	6
279	A General Algorithm for the Linear and Quadratic Gradients of Physical Quantities Based on 10 or More Point Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029121.	0.8	6
280	Nonlinear Magnetic Gradients and Complete Magnetic Geometry From Multispacecraft Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028846.	0.8	6
281	Four point measurements of electrons using PEACE in the high-altitude cusp. <i>Annales Geophysicae</i> , 2001, 19, 1567-1578.	0.6	6
282	First results of Chinese particle instruments in the Double Star Program. <i>Annales Geophysicae</i> , 2005, 23, 2775-2784.	0.6	6
283	Comment [on "Solar wind control of the magnetopause shape, location, and motion" by D. G. Sibeck, R. E. Lopez, and E. C. Roelof]. <i>Journal of Geophysical Research</i> , 1992, 97, 10875-10877.	3.3	5
284	The magnetopause at high time resolution: Structure and lower-hybrid waves. <i>Geophysical Research Letters</i> , 2001, 28, 681-684.	1.5	5
285	Multi-spacecraft observations of earthward flow bursts. <i>Science China Technological Sciences</i> , 2012, 55, 1305-1311.	2.0	5
286	Magnetospheric Multiscale Observations of ULF Waves and Correlated Low-Energy Ion Monoenergetic Acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2788-2794.	0.8	5
287	Signatures of Magnetic Separatrices at the Borders of a Crater Flux Transfer Event Connected to an Active X-Line. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8600-8616.	0.8	5
288	Modulation of ionospheric outflow ions by EMIC waves in the dayside outer magnetosphere. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	5

#	ARTICLE	IF	CITATIONS
289	Ground-based and satellite observations of high-latitude auroral activity in the dusk sector of the auroral oval. <i>Annales Geophysicae</i> , 2001, 19, 1683-1696.	0.6	5
290	Ordering the Earth's magnetic field by geocentric magnetospheric equatorial coordinates: Lessons from HEOS. <i>Journal of Geophysical Research</i> , 1999, 104, 17449-17457.	3.3	4
291	Dawnside magnetopause observed by the Equator-S Magnetic Field Experiment: Identification and survey of crossings. <i>Journal of Geophysical Research</i> , 1999, 104, 17491-17497.	3.3	4
292	Correlation between ground-based observations of substorm signatures and magnetotail dynamics. <i>Annales Geophysicae</i> , 2005, 23, 997-1011.	0.6	4
293	Solar wind transport into magnetosphere caused by magnetic reconnection at high latitude magnetopause during northward IMF: Cluster-DSP conjunction observations. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1677-1684.	0.9	4
294	Properties of Field Aligned Current in Plasma Sheet Boundary Layers in Magnetotail: Cluster Observation. <i>Chinese Physics Letters</i> , 2009, 26, 029401.	1.3	4
295	Boundary layer plasma flows from high-latitude reconnection in the summer hemisphere for northward IMF: THEMIS multi-point observations. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	4
296	The radial evolution of earthward BBFs during substorm. <i>Science China Earth Sciences</i> , 2010, 53, 1542-1551.	2.3	4
297	Spectral characteristics of the plasma dispersionless injection during the storm recovery phase on 11 March 1998. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	4
298	Earthward and tailward flows in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4487-4495.	0.8	4
299	Temporal evolutions of the solar wind conditions at 1 AU prior to the near-Earth X lines in the tail: Superposed epoch analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7488-7496.	0.8	4
300	Influence of the IMF Cone Angle on Invariant Latitudes of Polar Region Footprints of FACs in the Magnetotail: Cluster Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2588-2597.	0.8	4
301	A three-dimensional model of spiral null pair to form ion-scale flux ropes in magnetic reconnection region observed by Cluster. <i>Physics of Plasmas</i> , 2019, 26, 112901.	0.7	4
302	Preliminary two-point observations of the mid-altitude cusp by Cluster PEACE and FGM. <i>Annales Geophysicae</i> , 2001, 19, 1579-1587.	0.6	4
303	Magnetic mapping of auroral signatures of comet SL9 in the Jovian magnetosphere. <i>Planetary and Space Science</i> , 1997, 45, 1315-1331.	0.9	3
304	Disorder and anharmonicity in simple and complex perovskites. <i>Ferroelectrics</i> , 1999, 235, 87-96.	0.3	3
305	Proton cyclotron emission at the AMPTE Ba release. <i>Advances in Space Research</i> , 1999, 24, 85-89.	1.2	3
306	Cluster Observations of the Cusp: Magnetic Structure and Dynamics. , 2005, , 5-55.		3

#	ARTICLE	IF	CITATIONS
307	A new processing method for the AE index. Science in China Series D: Earth Sciences, 2008, 51, 1713-1720.	0.9	3
308	Nonlinear dynamics of foreshock structures: Application of nonlinear autoregressive moving average with exogenous inputs model to Cluster data. Journal of Geophysical Research, 2008, 113, .	3.3	3
309	Coordinated Cluster and Double Star observations of the dayside magnetosheath and magnetopause at different latitudes near noon. Journal of Geophysical Research, 2008, 113, .	3.3	3
310	Solar wind entry via flux tube into magnetosphere observed by Cluster measurements at dayside magnetopause during southward IMF. Science in China Series D: Earth Sciences, 2009, 52, 2104-2111.	0.9	3
311	Southâ€North Hemispheric Asymmetry of the FAE Distribution Around the Cusp Region: Cluster Observation. Journal of Geophysical Research: Space Physics, 2019, 124, 5342-5352.	0.8	3
312	Observation of Nonuniform Energy Dissipation in the Electron Diffusion Region of Magnetopause Reconnection. Geophysical Research Letters, 2021, 48, e2020GL091928.	1.5	3
313	Exploring solar-terrestrial interactions via multiple imaging observers. Experimental Astronomy, 0, , 1.	1.6	3
314	20ÂYears of Cluster Observations: The Magnetopause. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029362.	0.8	3
315	Magnetopause and Boundary Layer. Space Sciences Series of ISSI, 2005, , 231-320.	0.0	3
316	ESA Field-Aligned Currentsâ€™Methodology Inter-comparison Exercise. , 2020, , 167-188.		3
317	Equator-S magnetopause crossings at high time resolution. Journal of Geophysical Research, 2001, 106, 25409-25418.	3.3	2
318	Surveys on magnetospheric plasmas based on the Double Star Project (DSP) exploration. Science in China Series D: Earth Sciences, 2008, 51, 1639-1647.	0.9	2
319	Convective high-speed flow and field-aligned high-speed flows explored by TC-1. Science Bulletin, 2008, 53, 2371-2375.	4.3	2
320	Simulation of zonal flow excitation by drift mode turbulence: applications to tokamaks and the magnetopause. Plasma Physics and Controlled Fusion, 2008, 50, 124048.	0.9	2
321	Fractal dissipation of small-scale magnetic fluctuations in solar wind turbulence as seen by CLUSTER. , 2010, , .		2
322	Conjunction of anti-parallel and component reconnection at the dayside MP: Cluster and Double Star coordinated observation on 6 April 2004. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	2
323	Multi-satellite observations of energy transport during an intense geomagnetic storm. Astrophysics and Space Science, 2016, 361, 1.	0.5	2
324	Distribution of Field-Aligned Electron Events in the High-Altitude Polar Region: Cluster Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 11,245-11,255.	0.8	2

#	ARTICLE	IF	CITATIONS
325	Electron Sublayers and the Associated Magnetic Topologies in the Inner Low-Latitude Boundary Layer. Geophysical Research Letters, 2019, 46, 5746-5753.	1.5	2
326	Double Star: Mission, Instruments and Joint Observations. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 331-346.	0.3	2
327	Preliminary investigations of magnetic field turbulence at a quasi-parallel shock. Advances in Space Research, 1991, 11, 253-256.	1.2	1
328	Cluster magnetic field observations of magnetospheric boundaries. Geophysical Monograph Series, 2003, , 63-69.	0.1	1
329	Energetic Electrons as a Field Line Topology Tracer in the High Latitude Boundary/Cusp Region: Cluster Rapid Observations. , 2005, , 215-240.		1
330	Cluster observations of energetic ionospheric ion beams in the auroral region: Acceleration and associated energy-dispersed precipitation. Geophysical Research Letters, 2006, 33, .	1.5	1
331	Correlation between continuous lobe reconnection in the mid magnetotail and substorm expansion onset. Science Bulletin, 2006, 51, 2795-2804.	1.7	1
332	Near-Earth bursty bulk flows and AE index. Science in China Series D: Earth Sciences, 2008, 51, 1704-1712.	0.9	1
333	Studies of Zonal Flows Driven by Drift Mode Turbulence in Laboratory and Space Plasmas. , 2008, , .		1
334	Transverse-scale size of Pc3 ULF waves near the exterior cusp. Journal of Geophysical Research, 2009, 114, .	3.3	1
335	Applications of the wave kinetic approach: from laser wakefields to drift wave turbulence. Journal of Plasma Physics, 2010, 76, 903-914.	0.7	1
336	Solar wind penetration into the high-latitude magnetosphere: Cluster observations. , 2014, , .		1
337	IMF By-controlled field-aligned currents in the magnetotail during northward interplanetary magnetic field. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 115-116, 52-58.	0.6	1
338	Energy Budget of High-speed Plasma Flows in the Terrestrial Magnetotail. Astrophysical Journal, 2020, 894, 16.	1.6	1
339	Use of Twenty Years CLUSTER/FGM Data to Observe the Mean Behavior of the Magnetic Field and Current Density of Earth's Magnetosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
340	Dipolarization Observed by TC1 and Cluster During Substorm in Sep. 14, 2004. Chinese Journal of Geophysics, 2007, 50, 866-876.	0.2	0
341	Payload technology for in-situ measurements. Proceedings of SPIE, 2008, , .	0.8	0
342	Cluster observations of high-altitude cusp during multiple fast-turning IMF. Science Bulletin, 2010, 55, 1178-1185.	1.7	0

#	ARTICLE	IF	CITATIONS
343	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.	1.6	0
344	Variation of dependence of the cusp location at different altitude on the dipole tilt. <i>Science Bulletin</i> , 2013, 58, 3541-3545.	1.7	0
345	A case study of high speed flow of high density. , 2014, , .		0
346	Science opportunities for swarm-cluster coordination: Surveying the ring current and FACs. , 2014, , .		0
347	Evolution of earth's plasmasphere in response to the solar wind variations and magnetic storms. , 2014, , .		0
348	The evolution of geomagnetotail magnetic flux in isolated substorms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 164, 163-171.	0.6	0
349	Energy budget during an isolated substorm using measurements of multi satellites and geomagnetic indices. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	0.5	0
350	Cluster Observes the High-Altitude Cusp Region. , 2005, , 135-175.		0
351	Multiple Flux Rope Events at the High-Latitude Magnetopause: Cluster/Rapid Observation on 26 January, 2001. , 2005, , 193-214.		0
352	Impact of the Solar Wind Dynamic Pressure on the Field-Aligned Currents in the Magnetotail: Cluster Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	0.8	0