M W Dunlop

List of Publications by Year
in descending order

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352 papers	12,288 citations	31976 53 h-index	40979 93 g-index
360 all docs	360 docs citations	360 times ranked	3586 citing authors

#	Article	IF	Citations
1	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. Experimental Astronomy, 2022, 54, 427-471.	3.7	14
2	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, .	2.4	1
3	Intense dB/dt Variations Driven by Nearâ€Earth Bursty Bulk Flows (BBFs): A Case Study. Geophysical Research Letters, 2021, 48, e2020GL091781.	4.0	16
4	A General Algorithm for the Linear and Quadratic Gradients of Physical Quantities Based on 10 or More Point Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029121.	2.4	6
5	Observation of Nonuniform Energy Dissipation in the Electron Diffusion Region of Magnetopause Reconnection. Geophysical Research Letters, 2021, 48, e2020GL091928.	4.0	3
6	Nonlinear Magnetic Gradients and Complete Magnetic Geometry From Multispacecraft Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028846.	2.4	6
7	20ÂYears of Cluster Observations: The Magnetopause. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029362.	2.4	3
8	Curlometer Technique and Applications. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029538.	2.4	18
9	Impact of the Solar Wind Dynamic Pressure on the Fieldâ€Aligned Currents in the Magnetotail: Cluster Observation. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	0
10	Determination of the Configurations of Boundaries in Space. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028163.	2.4	6
11	MMS Observation of Secondary Magnetic Reconnection Beside Ionâ€Scale Flux Rope at the Magnetopause. Geophysical Research Letters, 2020, 47, e2020GL089075.	4.0	8
12	Unusual Location of the Geotail Magnetopause Near Lunar Orbit: A Case Study. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027401.	2.4	8
13	Energy Budget of High-speed Plasma Flows in the Terrestrial Magnetotail. Astrophysical Journal, 2020, 894, 16.	4.5	1
14	Identification of the Nature of Electromagnetic Waves near the Proton-cyclotron Frequency in Solar-terrestrial Plasmas. Astrophysical Journal, 2020, 890, 17.	4.5	8
15	Modulation of ionospheric outflow ions by EMIC waves in the dayside outer magnetosphere. Physics of Plasmas, 2020, 27, .	1.9	5
16	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. Frontiers in Astronomy and Space Sciences, 2020, 6, .	2.8	18
17	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solarâ€"Terrestrial Relation. Frontiers in Physics, 2020, 8, .	2.1	18
18	ESA Field-Aligned Currentsâ€"Methodology Inter-comparison Exercise. , 2020, , 167-188.		3

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19	Southâ€North Hemispheric Asymmetry of the FAE Distribution Around the Cusp Region: Cluster Observation. Journal of Geophysical Research: Space Physics, 2019, 124, 5342-5352.	2.4	3
20	Ion and Electron Dynamics in the Presence of Mirror, Electromagnetic Ion Cyclotron, and Whistler Waves. Astrophysical Journal, 2019, 883, 185.	4.5	10
21	Dimensionality, Coordinate System and Reference Frame for Analysis of In-Situ Space Plasma and Field Data. Space Science Reviews, 2019, 215, 1.	8.1	46
22	Electron Sublayers and the Associated Magnetic Topologies in the Inner Lowâ€Latitude Boundary Layer. Geophysical Research Letters, 2019, 46, 5746-5753.	4.0	2
23	Largeâ€Amplitude Electromagnetic Ion Cyclotron Waves and Density Fluctuations in the Flank of the Earth's Magnetosheath. Geophysical Research Letters, 2019, 46, 4545-4553.	4.0	12
24	Magnetospheric Multiscale Observations of ULF Waves and Correlated Lowâ€Energy Ion Monoenergetic Acceleration. Journal of Geophysical Research: Space Physics, 2019, 124, 2788-2794.	2.4	5
25	Magnetospheric Multiscale Observation of Kinetic Signatures in the AlfvÃ©n Vortex. Astrophysical Journal Letters, 2019, 871, L22.	8.3	25
26	Signatures of Magnetic Separatrices at the Borders of a Crater Flux Transfer Event Connected to an Active Xâ€Line. Journal of Geophysical Research: Space Physics, 2019, 124, 8600-8616.	2.4	5
27	A three-dimensional model of spiral null pair to form ion-scale flux ropes in magnetic reconnection region observed by Cluster. Physics of Plasmas, 2019, 26, 112901.	1.9	4
28	Magnetic Nulls in the Reconnection Driven by Turbulence. Astrophysical Journal, 2018, 852, 17.	4.5	29
29	Influence of the IMF Cone Angle on Invariant Latitudes of Polar Region Footprints of FACs in the Magnetotail: Cluster Observation. Journal of Geophysical Research: Space Physics, 2018, 123, 2588-2597.	2.4	4
30	Observations of the step-like accelerating processes of cold ions in the reconnection layer at the dayside magnetopause. Science Bulletin, 2018, 63, 31-37.	9.0	8
31	Statistical Correlation Analysis of Fieldâ€Aligned Currents Measured by Swarm. Journal of Geophysical Research: Space Physics, 2018, 123, 8170-8184.	2.4	6
32	Modulation of Ion and Electron Pitch Angle in the Presence of Large-amplitude, Low-frequency, Left-hand Circularly Polarized Electromagnetic Waves Observed by MMS. Astrophysical Journal, 2018, 867, 58.	4.5	11
33	Carriers and Sources of Magnetopause Current: MMS Case Study. Journal of Geophysical Research: Space Physics, 2018, 123, 5464-5475.	2.4	12
34	The Distribution of Two Flapping Types of Magnetotail Current Sheet: Implication for the Flapping Mechanism. Journal of Geophysical Research: Space Physics, 2018, 123, 7413-7423.	2.4	17
35	Structure and evolution of flux transfer events near dayside magnetic reconnection dissipation region: MMS observations. Geophysical Research Letters, 2017, 44, 5951-5959.	4.0	26
36	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.	2.4	2

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37	The evolution of geomagnetotail magnetic flux in isolated substorms. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 164, 163-171.	1.6	0
38	Energy budget during an isolated substorm using measurements of multi satellites and geomagnetic indices. Astrophysics and Space Science, 2017, 362, 1.	1.4	0
39	Storm time current distribution in the inner equatorial magnetosphere: THEMIS observations. Journal of Geophysical Research: Space Physics, 2016, 121, 5250-5259.	2.4	18
40	Commentary on accessing 3â€D currents in space: Experiences from Cluster. Journal of Geophysical Research: Space Physics, 2016, 121, 7881-7886.	2.4	18
41	The particle carriers of fieldâ€aligned currents in the Earth's magnetotail during a substorm. Journal of Geophysical Research: Space Physics, 2016, 121, 3058-3068.	2.4	11
42	A statistical study of EMIC waves observed by Cluster: 2. Associated plasma conditions. Journal of Geophysical Research: Space Physics, 2016, 121, 6458-6479.	2.4	45
43	Polar cap patch transportation beyond the classic scenario. Journal of Geophysical Research: Space Physics, 2016, 121, 9063-9074.	2.4	24
44	Earth's ion upflow associated with polar cap patches: Global and in situ observations. Geophysical Research Letters, 2016, 43, 1845-1853.	4.0	34
45	Compressible turbulence with slowâ€mode waves observed in the bursty bulk flow of plasma sheet. Geophysical Research Letters, 2016, 43, 1854-1861.	4.0	25
46	Temporal evolutions of the solar wind conditions at 1â€‰AU prior to the nearâ€Earth X lines in the tail: Superposed epoch analysis. Journal of Geophysical Research: Space Physics, 2016, 121, 7488-7496.	2.4	4
47	Identifying magnetic reconnection events using the FOTE method. Journal of Geophysical Research: Space Physics, 2016, 121, 1263-1272.	2.4	69
48	Solar wind plasma entry observed by cluster in the highâ€latitude magnetospheric lobes. Journal of Geophysical Research: Space Physics, 2016, 121, 4135-4144.	2.4	10
49	In-situ observations of flux ropes formed in association with a pair of spiral nulls in magnetotail plasmas. Physics of Plasmas, 2016, 23, .	1.9	11
50	Multi-satellite observations of energy transport during an intense geomagnetic storm. Astrophysics and Space Science, 2016, 361, 1.	1.4	2
51	Evolution of clustered magnetic nulls in a turbulent-like reconnection region in the magnetotail. Science Bulletin, 2016, 61, 1145-1150.	9.0	6
52	Multispacecraft current estimates at swarm. Journal of Geophysical Research: Space Physics, 2015, 120, 8307-8316.	2.4	29
53	X lines in the magnetotail for southward and northward IMF conditions. Journal of Geophysical Research: Space Physics, 2015, 120, 7764-7773.	2.4	12
54	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. Journal of Geophysical Research: Space Physics, 2015, 120, 5574-5592.	2.4	136

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55	Robust statistical properties of the size of large burst events in AE. Geophysical Research Letters, 2015, 42, 9197-9202.	4.0	9
56	Hall and finite Larmor radius effects on the dipolarization fronts associated with interchange instability. Geophysical Research Letters, 2015, 42, 10,099.	4.0	12
57	Parallelâ€dominant and perpendicularâ€dominant components of the fast bulk flow: Comparing with the PSBL beams. Journal of Geophysical Research: Space Physics, 2015, 120, 9500-9512.	2.4	6
58	Statistical characteristics of slow earthward and tailward flows in the plasma sheet. Journal of Geophysical Research: Space Physics, 2015, 120, 6199-6206.	2.4	8
59	Whistler mode wave generation at the edges of a magnetic dip. Journal of Geophysical Research: Space Physics, 2015, 120, 2469-2476.	2.4	21
60	Simultaneous fieldâ€aligned currents at Swarm and Cluster satellites. Geophysical Research Letters, 2015, 42, 3683-3691.	4.0	32
61	Earthward and tailward flows in the plasma sheet. Journal of Geophysical Research: Space Physics, 2015, 120, 4487-4495.	2.4	4
62	Turbulence in the Earth's cusp region: The kâ€filtering analysis. Journal of Geophysical Research: Space Physics, 2014, 119, 9527-9542.	2.4	12
63	Temporal and spatial scales of a highâ€flux electron disturbance in the cusp region: Cluster observations. Journal of Geophysical Research: Space Physics, 2014, 119, 4536-4543.	2.4	12
64	Solar wind penetration into the high-latitude magnetosphere: Cluster observations. , 2014, , .		1
65	A case study of high speed flow of high density. , 2014, , .		0
66	Energetic electron bursts in the plasma sheet and their relation with BBFs. Journal of Geophysical Research: Space Physics, 2014, 119, 8902-8915.	2.4	55
67	Direct calculation of the ring current distribution and magnetic structure seen by Cluster during geomagnetic storms. Journal of Geophysical Research: Space Physics, 2014, 119, 2458-2465.	2.4	32
68	Dependence of IMF B_y penetration into the neutral sheet on IMF B_z and geomagnetic activity. Journal of Geophysical Research: Space Physics, 2014, 119, 5279-5285.	2.4	24
69	The forceâ€free configuration of flux ropes in geomagnetotail: Cluster observations. Journal of Geophysical Research: Space Physics, 2014, 119, 6327-6341.	2.4	24
70	Science opportunities for swarm-cluster coordination: Surveying the ring current and FACs. , 2014, , .		0
71	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.	1.6	1
72	Testing linear theory of EMIC waves in the inner magnetosphere: Cluster observations. Journal of Geophysical Research: Space Physics, 2014, 119, 1004-1027.	2.4	26

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73	Evolution of earth's plasmasphere in response to the solar wind variations and magnetic storms. , 2014, , .		0
74	Variation of dependence of the cusp location at different altitude on the dipole tilt. Science Bulletin, 2013, 58, 3541-3545.	1.7	0
75	Solar wind entry into the high-latitude terrestrial magnetosphere during geomagnetically quiet times. Nature Communications, 2013, 4, 1466.	12.8	68
76	Asymmetry of magnetosheath flows and magnetopause shape during low AlfvÃ©n Mach number solar wind. Journal of Geophysical Research: Space Physics, 2013, 118, 1089-1100.	2.4	49
77	Method for inferring the axis orientation of cylindrical magnetic flux rope based on singleâ€point measurement. Journal of Geophysical Research: Space Physics, 2013, 118, 271-283.	2.4	18
78	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.	2.4	36
79	Two different types of plasmoids in the plasma sheet: Cluster multisatellite analysis application. Journal of Geophysical Research: Space Physics, 2013, 118, 5437-5444.	2.4	19
80	Double cusp encounter by Cluster: double cusp or motion of the cusp?. Annales Geophysicae, 2013, 31, 713-723.	1.6	13
81	Threeâ€dimensional magnetic flux rope structure formed by multiple sequential Xâ€line reconnection at the magnetopause. Journal of Geophysical Research: Space Physics, 2013, 118, 1904-1911.	2.4	48
82	Magnetic topologies of an in vivo FTE observed by Double Star/TCâ€1 at Earth's magnetopause. Geophysical Research Letters, 2013, 40, 3502-3506.	4.0	62
83	Influences of the interplanetary magnetic field clock angle and cone angle on the fieldâ€aligned currents in the magnetotail. Geophysical Research Letters, 2013, 40, 5355-5359.	4.0	13
84	Inter-hemispheric asymmetry of dependence of the cusp location on dipole tilt during northward IMF conditions. Annales Geophysicae, 2012, 30, 21-26.	1.6	6
85	Cluster and TC-1 observation of magnetic holes in the plasma sheet. Annales Geophysicae, 2012, 30, 583-595.	1.6	64
86	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. Annales Geophysicae, 2012, 30, 1025-1035.	1.6	59
87	Inner plasma structure of the lowâ€latitude reconnection layer. Journal of Geophysical Research, 2012, 117, .	3.3	9
88	Impact of measurement uncertainties on universal scaling of MHD turbulence. Monthly Notices of the Royal Astronomical Society, 2012, 426, 951-955.	4.4	11
89	Spatial gradients from irregular, multipleâ€point spacecraft configurations. Journal of Geophysical Research, 2012, 117, .	3.3	31
90	Determining the full magnetic field gradient from two spacecraft measurements under special constraints. Journal of Geophysical Research, 2012, 117, .	3.3	19

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91	Electron source associated with dipolarization at the outer boundary of the radiation belts: Nonâ€storm cases. Journal of Geophysical Research, 2012, 117, .	3.3	10
92	Spectral characteristics of the plasma dispersionless injection during the storm recovery phase on 11 March 1998. Journal of Geophysical Research, 2012, 117, .	3.3	4
93	Profile of strong magnetic field B_y component in magnetotail current sheets. Journal of Geophysical Research, 2012, 117, .	3.3	33
94	Cluster observations of the dusk flank magnetopause near the sash: Ion dynamics and flowâ€through reconnection. Journal of Geophysical Research, 2012, 117, .	3.3	9
95	Tailward leap of multiple expansions of the plasma sheet during a moderately intense substorm: THEMIS observations. Journal of Geophysical Research, 2012, 117, .	3.3	8
96	IMPALAS: Investigation of MagnetoPause Activity using Longitudinally-Aligned Satellitesâ€"a mission concept proposed for the ESA M3 2020/2022 launch. Experimental Astronomy, 2012, 33, 365-401.	3.7	0
97	AlfvÃ©n: magnetosphereâ€"ionosphere connection explorers. Experimental Astronomy, 2012, 33, 445-489.	3.7	9
98	Multi-spacecraft observations of earthward flow bursts. Science China Technological Sciences, 2012, 55, 1305-1311.	4.0	5
99	SuperDARN CUTLASS Finland radar observations of high-latitude magnetic reconnections under northward interplanetary magnetic field (IMF) conditions. Science China Technological Sciences, 2012, 55, 1207-1216.	4.0	6
100	Shock-driven variation in ionospheric outflow during the 11 October 2001 moderate storm. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	7
101	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.	4.0	2
102	Statistical survey on the magnetic structure in magnetotail current sheets. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	55
103	The magnetic configuration of the high-latitude cusp and dayside magnetopause under strong magnetic shears. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	9
104	A statistical study of EMIC wave-associated He⁺energization in the outer magnetosphere: Cluster/CODIF observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	63
105	On the importance of interplanetary magnetic field âˆ£B_yâˆ£ on polar cap patch formation. Journal of Geophysical Research, 2011, 116, .	3.3	114
106	The distribution of the ring current: Cluster observations. Annales Geophysicae, 2011, 29, 1655-1662.	1.6	25
107	Magnetopause reconnection across wide local time. Annales Geophysicae, 2011, 29, 1683-1697.	1.6	57
108	The statistical studies of the inner boundary of plasma sheet. Annales Geophysicae, 2011, 29, 289-298.	1.6	18

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109	The relations between density of FACs in the plasma sheet boundary layers and Kp index. Science China Technological Sciences, 2011, 54, 2987-2992.	4.0	6
110	Extended Magnetic Reconnection across the Dayside Magnetopause. Physical Review Letters, 2011, 107, 025004.	7.8	41
111	Coordinated Cluster/Double Star and ground-based observations of dayside reconnection signatures on 11 February 2004. Annales Geophysicae, 2011, 29, 1827-1847.	1.6	6
112	Spatial dependence of magnetopause energy transfer: Cluster measurements verifying global simulations. Annales Geophysicae, 2011, 29, 823-838.	1.6	7
113	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. Annales Geophysicae, 2011, 29, 1549-1569.	1.6	7
114	The radial evolution of earthward BBFs during substorm. Science China Earth Sciences, 2010, 53, 1542-1551.	5.2	4
115	Cluster observations of high-altitude cusp during multiple fast-turning IMF. Science Bulletin, 2010, 55, 1178-1185.	1.7	0
116	Comparison of eight years magnetic field data from Cluster with Tsyganenko models in the inner magnetosphere. Annales Geophysicae, 2010, 28, 309-326.	1.6	15
117	Applications of the wave kinetic approach: from laser wakefields to drift wave turbulence. Journal of Plasma Physics, 2010, 76, 903-914.	2.1	1
118	Fractal dissipation of small-scale magnetic fluctuations in solar wind turbulence as seen by CLUSTER. , 2010, , .		2
119	X line distribution determined from earthward and tailward convective bursty flows in the central plasma sheet. Journal of Geophysical Research, 2010, 115, .	3.3	18
120	Southâ€north asymmetry of fieldâ€aligned currents in the magnetotail observed by Cluster. Journal of Geophysical Research, 2010, 115, .	3.3	34
121	A case study of EMIC waveâ€associated He⁺ energization in the outer magnetosphere: Cluster and Double Star 1 observations. Journal of Geophysical Research, 2010, 115, .	3.3	46
122	Geomagnetic signatures of current wedge produced by fast flows in a plasma sheet. Journal of Geophysical Research, 2010, 115, .	3.3	61
123	Evidence for a flux transfer event generated by multiple Xâ€line reconnection at the magnetopause. Geophysical Research Letters, 2010, 37, .	4.0	126
124	Simultaneous observations of reconnection pulses at Cluster and their effects on the cusp aurora observed at the Chinese Yellow River Station. Journal of Geophysical Research, 2010, 115, .	3.3	21
125	Double Star: Mission, Instruments and Joint Observations. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 331-346.	0.3	2
126	Shape, size, velocity and field-aligned currents of dayside plasma injections: a multi-altitude study. Annales Geophysicae, 2009, 27, 1251-1266.	1.6	14

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127	Cluster and Double Star multipoint observations of a plasma bubble. Annales Geophysicae, 2009, 27, 725-743.	1.6	54
128	Cusp observations during a sequence of fast IMF <I>B_Z</I> reversals. Annales Geophysicae, 2009, 27, 2721-2737.	1.6	6
129	Global Scale-Invariant Dissipation in Collisionless Plasma Turbulence. Physical Review Letters, 2009, 103, 075006.	7.8	186
130	Properties of Field Aligned Current in Plasma Sheet Boundary Layers in Magnetotail: Cluster Observation. Chinese Physics Letters, 2009, 26, 029401.	3.3	4
131	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
132	Boundary layer plasma flows from highâ€latitude reconnection in the summer hemisphere for northward IMF: THEMIS multiâ€point observations. Geophysical Research Letters, 2009, 36, .	4.0	4
133	Tracing solar wind plasma entry into the magnetosphere using ionâ€toâ€electron temperature ratio. Geophysical Research Letters, 2009, 36, .	4.0	24
134	Statistical analysis of earthward flow bursts in the inner plasma sheet during substorms. Journal of Geophysical Research, 2009, 114, .	3.3	33
135	Vortexâ€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. Journal of Geophysical Research, 2009, 114, .	3.3	16
136	Energetic electron response to ULF waves induced by interplanetary shocks in the outer radiation belt. Journal of Geophysical Research, 2009, 114, .	3.3	266
137	Reconnection at High Latitudes: Antiparallel Merging. Physical Review Letters, 2009, 102, 075005.	7.8	35
138	Applications of the wave kinetic approach: From laser wakefields to drift wave turbulence. Physics of Plasmas, 2009, 16, 055904.	1.9	12
139	Convective bursty flows in the nearâ€Earth magnetotail inside 13 R_E. Journal of Geophysical Research, 2009, 114, .	3.3	16
140	Transverseâ€scale size of Pc3 ULF waves near the exterior cusp. Journal of Geophysical Research, 2009, 114, .	3.3	1
141	Relationship between FAC at plasma sheet boundary layers and AE index during storms from August to October, 2001. Science in China Series D: Earth Sciences, 2008, 51, 842-848.	0.9	10
142	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
143	A new processing method for the AE index. Science in China Series D: Earth Sciences, 2008, 51, 1713-1720.	0.9	3
144	Near-Earth bursty bulk flows and AE index. Science in China Series D: Earth Sciences, 2008, 51, 1704-1712.	0.9	1

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145	Solar wind transport into magnetosphere caused by magnetic reconnection at high latitude magnetopause during northward IMF: Cluster-DSP conjunction observations. Science in China Series D: Earth Sciences, 2008, 51, 1677-1684.	0.9	4
146	Convective high-speed flow and field-aligned high-speed flows explored by TC-1. Science Bulletin, 2008, 53, 2371-2375.	9.0	2
147	Two sources of magnetosheath ions observed by Cluster in the mid-altitude polar cusp. Advances in Space Research, 2008, 41, 1528-1536.	2.6	10
148	Multiple cusps during an extended northward IMF period with a significant B_y component. Journal of Geophysical Research, 2008, 113, .	3.3	14
149	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
150	A magnetic null geometry reconstructed from Cluster spacecraft observations. Journal of Geophysical Research, 2008, 113, .	3.3	28
151	Downward current electron beam observed by Cluster and FAST. Journal of Geophysical Research, 2008, 113, .	3.3	15
152	Cluster observations of â€œcraterâ€• flux transfer events at the dayside highâ€latitude magnetopause. Journal of Geophysical Research, 2008, 113, .	3.3	39
153	Magnetotail dipolarization and associated current systems observed by Cluster and Double Star. Journal of Geophysical Research, 2008, 113, .	3.3	14
154	Nearâ€Earth substorm features from multiple satellite observations. Journal of Geophysical Research, 2008, 113, .	3.3	26
155	Reconnection at the dayside magnetopause: Comparisons of global MHD simulation results with Cluster and Double Star observations. Journal of Geophysical Research, 2008, 113, .	3.3	18
156	Phase structure of Pc3 waves observed by Cluster and ground stations near the cusp. Journal of Geophysical Research, 2008, 113, .	3.3	22
157	Formation of the lowâ€latitude boundary layer and cusp under the northward IMF: Simultaneous observations by Cluster and Double Star. Journal of Geophysical Research, 2008, 113, .	3.3	32
158	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
159	Effect of a northward turning of the interplanetary magnetic field on cusp precipitation as observed by Cluster. Journal of Geophysical Research, 2008, 113, .	3.3	24
160	Electron structure of the magnetopause boundary layer: Cluster/Double Star observations. Journal of Geophysical Research, 2008, 113, .	3.3	12
161	Cluster observations of electrostatic solitary waves near the Earth's bow shock. Journal of Geophysical Research, 2008, 113, .	3.3	38
162	Flattened current sheet and its evolution in substorms. Journal of Geophysical Research, 2008, 113, .	3.3	46

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163	Electron trapping around a magnetic null. Geophysical Research Letters, 2008, 35, .	4.0	33
164	Cluster observations of fast shocks in the magnetosheath launched as a tangential discontinuity with a pressure increase crossed the bow shock. Journal of Geophysical Research, 2008, 113, .	3.3	20
165	Multispacecraft and groundâ€based observations of substorm timing and activations: Two case studies. Journal of Geophysical Research, 2008, 113, .	3.3	21
166	Simulation of zonal flow excitation by drift mode turbulence: applications to tokamaks and the magnetopause. Plasma Physics and Controlled Fusion, 2008, 50, 124048.	2.1	2
167	Studies of Zonal Flows Driven by Drift Mode Turbulence in Laboratory and Space Plasmas. , 2008, , .		1
168	Payload technology for in-situ measurements. Proceedings of SPIE, 2008, , .	0.8	0
169	Simultaneous Cluster and CUTLASS Observations of FTEs on 11 February 2004. Chinese Journal of Geophysics, 2008, 51, 1-11.	0.2	8
170	Simultaneous tracking of reconnected flux tubes: Cluster and conjugate SuperDARN observations on 1 April 2004. Annales Geophysicae, 2008, 26, 1545-1557.	1.6	11
171	An interpretation for the bipolar electric field structures parallel to the magnetic field observed in the auroral ionosphere. Annales Geophysicae, 2008, 26, 1431-1437.	1.6	8
172	Lower hybrid waves at the shock front: a reassessment. Annales Geophysicae, 2008, 26, 699-707.	1.6	27
173	Magnetic configurations of the tilted current sheets in magnetotail. Annales Geophysicae, 2008, 26, 3525-3543.	1.6	56
174	Spontaneous Generation of Self-Organized Solitary Wave Structures at Earthâ€™s Magnetopause. Physical Review Letters, 2007, 99, 205006.	7.8	35
175	Dipolarization Observed by TC1 and Cluster During Substorm in Sep. 14, 2004. Chinese Journal of Geophysics, 2007, 50, 866-876.	0.2	0
176	A Cluster measurement of fast magnetic reconnection in the magnetotail. Geophysical Research Letters, 2007, 34, .	4.0	42
177	Magnetic field rotation analysis and the applications. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	58
178	TC1 and Cluster observation of an FTE on 4 January 2005: A close conjunction. Geophysical Research Letters, 2007, 34, .	4.0	16
179	TC-1 observations of flux pileup and dipolarization-associated expansion in the near-Earth magnetotail during substorms. Geophysical Research Letters, 2007, 34, .	4.0	30
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