

Iannis Dandouras

List of Publications by Year in descending order

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351
papers

12,481
citations

34016

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43802

91
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369
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369
docs citations

369
times ranked

3771
citing authors

#	ARTICLE	IF	CITATIONS
1	The in-situ exploration of Jupiter's radiation belts. <i>Experimental Astronomy</i> , 2022, 54, 745-789.	1.6	11
2	SERENA: Particle Instrument Suite for Determining the Sun-Mercury Interaction from BepiColombo. <i>Space Science Reviews</i> , 2021, 217, 11.	3.7	26
3	Lower-thermosphere-ionosphere (LTI) quantities: current status of measuring techniques and models. <i>Annales Geophysicae</i> , 2021, 39, 189-237.	0.6	25
4	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	32
5	Ion Outflow and Escape in the Terrestrial Magnetosphere: Cluster Advances. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029753.	0.8	9
6	Turning Instrument Background Into Science Data for Structural Features of Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	0.8	1
7	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
8	Observation of the Large-Amplitude and Fast-Damped Plasma Sheet Flapping Triggered by Reconnection-Induced Ballooning Instability. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028218.	0.8	5
9	Future Missions Related to the Determination of the Elemental and Isotopic Composition of Earth, Moon and the Terrestrial Planets. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	8
10	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
11	Suprathermal Fe in the Earth's Plasma Environment: Cluster RAPID Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027596.	0.8	2
12	The Solar Orbiter Solar Wind Analyser (SWA) suite. <i>Astronomy and Astrophysics</i> , 2020, 642, A16.	2.1	141
13	Daedalus: a low-flying spacecraft for in situ exploration of the lower thermosphere-ionosphere. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2020, 9, 153-191.	0.6	25
14	Earth atmospheric loss through the plasma mantle and its dependence on solar wind parameters. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	21
15	Galactic Cosmic Rays Access to the Magnetosphere of Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 166-177.	0.8	9
16	Direct evidence of nonstationary collisionless shocks in space plasmas. <i>Science Advances</i> , 2019, 5, eaau9926.	4.7	27
17	First Observations of the Disruption of the Earth's Foreshock Wave Field During Magnetic Clouds. <i>Geophysical Research Letters</i> , 2019, 46, 12644-12653.	1.5	15
18	Conjunction Observations of Energetic Oxygen Ions O ⁺ Accumulated in the Sequential Flux Ropes in the High-Altitude Cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7912-7922.	0.8	1

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19	Towards a Global Unified Model of Europa's Tenuous Atmosphere. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	36
20	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
21	Plasmaspheric Plumes and EMIC Rising Tone Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9443-9452.	0.8	12
22	A radiation belt of energetic protons located between Saturn and its rings. <i>Science</i> , 2018, 362, .	6.0	27
23	O ⁺ Escape During the Extreme Space Weather Event of 4 th 10 September 2017. <i>Space Weather</i> , 2018, 16, 1363-1376.	1.3	20
24	Effect of Upstream ULF Waves on the Energetic Ion Diffusion at the Earth's Foreshock. II. Observations. <i>Astrophysical Journal</i> , 2018, 863, 136.	1.6	5
25	Contribution of energetic and heavy ions to the plasma pressure: The 27 September to 3 October 2002 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9427-9439.	0.8	16
26	The dependence of magnetospheric plasma mass loading on geomagnetic activity using Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9371-9395.	0.8	18
27	Oxygen Ions O ⁺ Energized by Kinetic Alfvén Eigenmode During Dipolarizations of Intense Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,256.	0.8	10
28	Atmospheric loss from the dayside open polar region and its dependence on geomagnetic activity: implications for atmospheric escape on evolutionary timescales. <i>Annales Geophysicae</i> , 2017, 35, 721-731.	0.6	28
29	TRANSPORT OF SOLAR WIND H ⁺ AND He ⁺⁺ IONS ACROSS EARTH'S BOW SHOCK. <i>Astrophysical Journal Letters</i> , 2016, 825, L27.	3.0	7
30	A statistical study of magnetospheric ion composition along the geomagnetic field using the Cluster spacecraft for <i>L</i> values between 5.9 and 9.5. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2194-2208.	0.8	19
31	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
32	A statistical study of magnetospheric electron density using the Cluster spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,042.	0.8	13
33	Planetary space weather: scientific aspects and future perspectives. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A31.	1.1	38
34	Theory for planetary exospheres: III. Radiation pressure effect on the Circular Restricted Three Body Problem and its implication on planetary atmospheres. <i>Icarus</i> , 2016, 280, 415-423.	1.1	4
35	Theory for planetary exospheres: II. Radiation pressure effect on exospheric density profiles. <i>Icarus</i> , 2016, 266, 423-432.	1.1	7
36	Theory for planetary exospheres: I. Radiation pressure effect on dynamical trajectories. <i>Icarus</i> , 2016, 266, 410-422.	1.1	5

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37	ION INJECTION AT QUASI-PARALLEL SHOCKS SEEN BY THE CLUSTER SPACECRAFT. <i>Astrophysical Journal Letters</i> , 2016, 817, L4.	3.0	10
38	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Sciences Series of ISSI</i> , 2016, , 145-208.	0.0	3
39	Propagation characteristics of young hot flow anomalies near the bow shock: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4142-4154.	0.8	17
40	Distribution of energetic oxygen and hydrogen in the near-Earth plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3415-3431.	0.8	37
41	Cluster observations of unusually high concentration of energetic O ⁺ carried by flux ropes in the nightside high-latitude magnetosheath during a storm initial phase. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8317-8326.	0.8	4
42	Modeling of the energetic ion observations in the vicinity of Rhea and Dione. <i>Icarus</i> , 2015, 258, 402-417.	1.1	15
43	Experimental determination of the dispersion relation of magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9632-9650.	0.8	21
44	Solar illumination control of ionospheric outflow above polar cap arcs. <i>Geophysical Research Letters</i> , 2015, 42, 1304-1311.	1.5	14
45	Flapping motions of the magnetotail current sheet excited by nonadiabatic ions. <i>Geophysical Research Letters</i> , 2015, 42, 4731-4735.	1.5	14
46	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015, 33, 1369-1402.	0.6	66
47	Relating field-aligned beams to inverted-V structures and visible auroras. <i>Annales Geophysicae</i> , 2015, 33, 1263-1269.	0.6	1
48	Preliminary empirical model of inner boundary of ion plasma sheet. <i>Advances in Space Research</i> , 2015, 56, 1194-1199.	1.2	3
49	Acceleration of O ⁺ from the cusp to the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1022-1034.	0.8	23
50	Observations of discrete harmonics emerging from equatorial noise. <i>Nature Communications</i> , 2015, 6, 7703.	5.8	93
51	Outflow of low-energy O ⁺ ion beams observed during periods without substorms. <i>Annales Geophysicae</i> , 2015, 33, 333-344.	0.6	8
52	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Science Reviews</i> , 2015, 192, 145-208.	3.7	54
53	On the fine structure of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6367-6385.	0.8	26
54	Waves in high-speed plasmoids in the magnetosheath and at the magnetopause. <i>Annales Geophysicae</i> , 2014, 32, 991-1009.	0.6	37

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55	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.	0.8	22
56	Nonadiabatic acceleration of plasma sheet ions related to ion cyclotron waves. <i>Science China Technological Sciences</i> , 2014, 57, 2434-2440.	2.0	4
57	Ion drift simulation of sudden appearance of sub-keV structured ions in the inner magnetosphere. <i>Annales Geophysicae</i> , 2014, 32, 83-90.	0.6	6
58	Cluster observations of the substructure of a flux transfer event: analysis of high-time-resolution particle data. <i>Annales Geophysicae</i> , 2014, 32, 1093-1117.	0.6	15
59	Increases in plasma sheet temperature with solar wind driving during substorm growth phases. <i>Geophysical Research Letters</i> , 2014, 41, 8713-8721.	1.5	22
60	Direct observation of closed magnetic flux trapped in the high-latitude magnetosphere. <i>Science</i> , 2014, 346, 1506-1510.	6.0	46
61	Deriving the characteristics of warm electrons (100–500 eV) in the magnetosphere of Saturn with the Cassini Langmuir probe. <i>Planetary and Space Science</i> , 2014, 104, 173-184.	0.9	1
62	Circulation of Heavy Ions and Their Dynamical Effects in the Magnetosphere: Recent Observations and Models. <i>Space Science Reviews</i> , 2014, 184, 173-235.	3.7	130
63	Modeling the satellite particle population in the planetary exospheres: Application to Earth, Titan and Mars. <i>Icarus</i> , 2014, 227, 21-36.	1.1	9
64	Turbulent dynamics inside the cavity of hot flow anomaly. <i>Planetary and Space Science</i> , 2014, 92, 24-33.	0.9	8
65	The relationship between sawtooth events and O ⁺ in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1572-1586.	0.8	15
66	Cold electron heating by EMIC waves in the plasmaspheric plume with observations of the Cluster satellite. <i>Geophysical Research Letters</i> , 2014, 41, 1830-1837.	1.5	57
67	Cluster observations of hot He ⁺ events in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2706-2716.	0.8	8
68	MHD and kinetic analysis of flow bursts in the Earth's plasma sheet. <i>Science China Technological Sciences</i> , 2014, 57, 55-66.	2.0	9
69	In-flight calibration of the Hot Ion Analyser on board Cluster. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2014, 3, 49-58.	0.6	2
70	Spatial variation of energy conversion at the Earth's magnetopause: Statistics from Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1948-1959.	0.8	11
71	Generation mechanism of the whistler-mode waves in the plasma sheet prior to magnetic reconnection. <i>Advances in Space Research</i> , 2013, 52, 205-210.	1.2	10
72	Energetic neutral particles detection in the environment of Jupiter's icy moons: Ganymede and Europa's neutral imaging experiment (GENIE). <i>Planetary and Space Science</i> , 2013, 88, 53-63.	0.9	6

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73	Kinetic analysis of the energy transport of bursty bulk flows in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 313-320.	0.8	86
74	GYROSURFING ACCELERATION OF IONS IN FRONT OF EARTH'S QUASI-PARALLEL BOW SHOCK. <i>Astrophysical Journal</i> , 2013, 771, 4.	1.6	22
75	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
76	The evolution of flux pileup regions in the plasma sheet: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6279-6290.	0.8	24
77	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
78	Slow magnetosonic waves detected in reconnection diffusion region in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1659-1666.	0.8	35
79	Relations of the energetic proton fluxes in the central plasma sheet with solar wind and geomagnetic activities. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7226-7236.	0.8	24
80	The influence of the secondary electrons induced by energetic electrons impacting the Cassini Langmuir probe at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7054-7073.	0.8	11
81	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.	0.8	23
82	Statistical study of foreshock cavitons. <i>Annales Geophysicae</i> , 2013, 31, 2163-2178.	0.6	29
83	Detection of a plasmaspheric wind in the Earth's magnetosphere by the Cluster spacecraft. <i>Annales Geophysicae</i> , 2013, 31, 1143-1153.	0.6	32
84	Double cusp encounter by Cluster: double cusp or motion of the cusp?. <i>Annales Geophysicae</i> , 2013, 31, 713-723.	0.6	13
85	REINTERPRETATION OF SLOWDOWN OF SOLAR WIND MEAN VELOCITY IN NONLINEAR STRUCTURES OBSERVED UPSTREAM OF EARTH'S BOW SHOCK. <i>Astrophysical Journal Letters</i> , 2013, 771, L39.	3.0	8
86	Cluster observation of few-hour-scale evolution of structured plasma in the inner magnetosphere. <i>Annales Geophysicae</i> , 2013, 31, 1569-1578.	0.6	6
87	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
88	Study of the applicability of the curlometer technique with the four Cluster spacecraft in regions close to Earth. <i>Annales Geophysicae</i> , 2012, 30, 597-611.	0.6	11
89	Supermagnetosonic subsolar magnetosheath jets and their effects: from the solar wind to the ionospheric convection. <i>Annales Geophysicae</i> , 2012, 30, 33-48.	0.6	92
90	Plasma penetration of the dayside magnetopause. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	33

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91	Entropy Generation across Earth's Collisionless Bow Shock. <i>Physical Review Letters</i> , 2012, 108, 061102.	2.9	16
92	Temporal evolution and electric potential structure of the auroral acceleration region from multispacecraft measurements. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
93	Oxygen and hydrogen ion abundance in the near-Earth magnetosphere: Statistical results on the response to the geomagnetic and solar wind activity conditions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	44
94	The Solar Wind interactions with Lunar Magnetic Anomalies: A case study of the Chang'E-2 plasma data near the Serenitatis antipode. <i>Advances in Space Research</i> , 2012, 50, 1600-1606.	1.2	15
95	Solar cycle dependence of the cusp O ⁺ access to the near-Earth magnetotail. <i>Journal of Geophysical Research</i> , 2012, 117, n/a-n/a.	3.3	22
96	Enhanced atmospheric oxygen outflow on Earth and Mars driven by a corotating interaction region. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
97	The role of the inner tail to midtail plasma sheet in channeling solar wind power to the ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
98	Equatorially confined warm trapped ions at around 100 eV near the plasmopause. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	5
99	Multi-spacecraft observations of earthward flow bursts. <i>Science China Technological Sciences</i> , 2012, 55, 1305-1311.	2.0	5
100	The distribution of Titan's high-altitude (out to ~450,000km) exosphere from energetic neutral atom (ENA) measurements by Cassini/INCA. <i>Planetary and Space Science</i> , 2012, 60, 107-114.	0.9	28
101	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
102	Wave signatures and electrostatic phenomena above aurora: Cluster observations and modeling. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	2
103	Locations of boundaries of outer and inner radiation belts as observed by Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	37
104	Energy conversion regions as observed by Cluster in the plasma sheet. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	31
105	Average magnetotail electron and proton pitch angle distributions from Cluster PEACE and CIS observations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	59
106	Detection of $m/q = 2$ pickup ions in the plasma environment of the Moon: The trace of exospheric H^{2+} . <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	23
107	Electromagnetic ion cyclotron waves in the helium branch induced by multiple electromagnetic ion cyclotron triggered emissions. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	29
108	Magnetopause response to variations in the solar wind: Conjunction observations between Cluster, TC-1, and SuperDARN. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	8

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109	Energy conversion at the Earth's magnetopause using single and multispacecraft methods. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	19
110	Multiple responses of magnetotail to the enhancement and fluctuation of solar wind dynamic pressure and the southward turning of interplanetary magnetic field. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	25
111	The statistical studies of the inner boundary of plasma sheet. Annales Geophysicae, 2011, 29, 289-298.	0.6	18
112	A case study of Kelvin-Helmholtz vortices on both flanks of the Earth's magnetotail. Planetary and Space Science, 2011, 59, 502-509.	0.9	21
113	Proton/electron temperature ratio in the magnetotail. Annales Geophysicae, 2011, 29, 2253-2257.	0.6	50
114	Polar cap ion beams during periods of northward IMF: Cluster statistical results. Annales Geophysicae, 2011, 29, 771-787.	0.6	19
115	Timing mirror structures observed by Cluster with a magnetosheath flow model. Annales Geophysicae, 2011, 29, 1849-1860.	0.6	25
116	Spatial dependence of magnetopause energy transfer: Cluster measurements verifying global simulations. Annales Geophysicae, 2011, 29, 823-838.	0.6	7
117	On The Propagation And Modulation Of Electrostatic Solitary Waves Observed Near The Magnetopause On Cluster. AIP Conference Proceedings, 2011, , .	0.3	1
118	Plasma transport modelling in the inner magnetosphere: effects of magnetic field, electric field and exospheric models. Annales Geophysicae, 2011, 29, 427-442.	0.6	3
119	Corrigendum to "The statistical studies of the inner boundary of plasma sheet" published in Ann. Geophys., 29, 289-298, 2011. Annales Geophysicae, 2011, 29, 349-349.	0.6	0
120	Cluster observations of a transient signature in the magnetotail: implications for the mode of reconnection. Annales Geophysicae, 2011, 29, 2131-2146.	0.6	4
121	Statistical analysis of the energetic ion and ENA data for the Titan environment. Planetary and Space Science, 2010, 58, 1811-1822.	0.9	32
122	The radial evolution of earthward BBFs during substorm. Science China Earth Sciences, 2010, 53, 1542-1551.	2.3	4
123	Temporal Evolution of the Solar-Wind Electron Core Density at Solar Minimum by Correlating SWEA Measurements from STEREO A and B. Solar Physics, 2010, 266, 369-377.	1.0	5
124	The Mercury Electron Analyzers for the Bepi Colombo mission. Advances in Space Research, 2010, 46, 1139-1148.	1.2	14
125	Study of hot flow anomalies using Cluster multi-spacecraft measurements. Advances in Space Research, 2010, 45, 541-552.	1.2	14
126	Global reconnection topology as inferred from plasma observations inside Kelvin-Helmholtz vortices. Annales Geophysicae, 2010, 28, 893-906.	0.6	16

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127	Statistics of counter-streaming solar wind suprathermal electrons at solar minimum: STEREO observations. <i>Annales Geophysicae</i> , 2010, 28, 233-246.	0.6	24
128	Geomagnetic activity effects on plasma sheet energy conversion. <i>Annales Geophysicae</i> , 2010, 28, 1813-1825.	0.6	2
129	Spectral characteristics of protons in the Earth's plasmashet: statistical results from Cluster CIS and RAPID. <i>Annales Geophysicae</i> , 2010, 28, 1483-1498.	0.6	32
130	South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
131	Cusp as a source for oxygen in the plasma sheet during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	78
132	Geomagnetic signatures of current wedge produced by fast flows in a plasma sheet. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	61
133	Simultaneous FAST and Double Star TC1 observations of broadband electrons during a storm time substorm. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	6
134	Cluster observations of EMIC triggered emissions in association with Pc1 waves near Earth's plasmapause. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	137
135	Theory and observation of electromagnetic ion cyclotron triggered emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	108
136	Statistical study of O ⁺ transport from the cusp to the lobes with Cluster CODIF data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	66
137	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
138	Moderate geomagnetic storm (21-22 January 2005) triggered by an outstanding coronal mass ejection viewed via energetic neutral atoms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	14
139	Self-Reformation of the Quasi-Perpendicular Shock: CLUSTER Observations. , 2010, , .		32
140	On the Growth of Mirror Mode Waves in the Magnetosheath Based on Cluster Observations. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010, , 377-385.	0.3	3
141	Cluster Hot Flow Anomaly Observations During Solar Cycle Minimum. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010, , 369-375.	0.3	2
142	Outflowing protons and heavy ions as a source for the sub-keV ring current. <i>Annales Geophysicae</i> , 2009, 27, 839-849.	0.6	6
143	Cluster and Double Star multipoint observations of a plasma bubble. <i>Annales Geophysicae</i> , 2009, 27, 725-743.	0.6	54
144	Solar wind and substorm excitation of the wavy current sheet. <i>Annales Geophysicae</i> , 2009, 27, 2457-2474.	0.6	30

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145	Cluster survey of the mid-altitude cusp Part 2: Large-scale morphology. <i>Annales Geophysicae</i> , 2009, 27, 1875-1886.	0.6	18
146	Scale size and life time of energy conversion regions observed by Cluster in the plasma sheet. <i>Annales Geophysicae</i> , 2009, 27, 4147-4155.	0.6	5
147	Dual source populations of substorm-associated ring current ions. <i>Annales Geophysicae</i> , 2009, 27, 1431-1438.	0.6	7
148	Mirror structures above and below the linear instability threshold: Cluster observations, fluid model and hybrid simulations. <i>Annales Geophysicae</i> , 2009, 27, 601-615.	0.6	74
149	A global study of hot flow anomalies using Cluster multi-spacecraft measurements. <i>Annales Geophysicae</i> , 2009, 27, 2057-2076.	0.6	49
150	Magnetosheath excursion and the relevant transport process at the magnetopause. <i>Annales Geophysicae</i> , 2009, 27, 2997-3005.	0.6	7
151	Electrostatic solitary waves in current layers: from Cluster observations during a super-substorm to beam experiments at the LAPD. <i>Nonlinear Processes in Geophysics</i> , 2009, 16, 431-442.	0.6	20
152	Evolution of dipolarization in the near-Earth current sheet induced by Earthward rapid flux transport. <i>Annales Geophysicae</i> , 2009, 27, 1743-1754.	0.6	129
153	ULF Waves Associated with Solar Wind Deceleration in the Earth's Foreshock. <i>Chinese Physics Letters</i> , 2009, 26, 119402.	1.3	14
154	Low energy high angular resolution neutral atom detection by means of micro-shuttering techniques: the BepiColombo SERENA-ELENA sensor. , 2009, , .		7
155	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	1.6	77
156	The DynaMICCS perspective. <i>Experimental Astronomy</i> , 2009, 23, 1017-1055.	1.6	17
157	Observation of a Complex Solar Wind Reconnection Exhaust from Spacecraft Separated by over 1800 R _E . <i>Solar Physics</i> , 2009, 256, 379-392.	1.0	39
158	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions. <i>Space Science Reviews</i> , 2009, 145, 55-106.	3.7	109
159	Electric Fields and Magnetic Fields in the Plasmasphere: A Perspective From CLUSTER and IMAGE. <i>Space Science Reviews</i> , 2009, 145, 107-135.	3.7	6
160	Magnetosphere response to the 2005 and 2006 extreme solar events as observed by the Cluster and Double Star spacecraft. <i>Advances in Space Research</i> , 2009, 43, 618-623.	1.2	17
161	Energetic ion dynamics of the inner magnetosphere revealed in coordinated Cluster-Double Star observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	41
162	Tracing solar wind plasma entry into the magnetosphere using ion-to-electron temperature ratio. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	24

#	ARTICLE	IF	CITATIONS
163	Observations and modeling of particle dispersion signatures at a hot flow anomaly. Journal of Geophysical Research, 2009, 114, .	3.3	4
164	Cluster observations of energetic electron flux variations within the plasma sheet. Journal of Geophysical Research, 2009, 114, .	3.3	6
165	Statistical analysis of earthward flow bursts in the inner plasma sheet during substorms. Journal of Geophysical Research, 2009, 114, .	3.3	33
166	Simultaneous observations of flux transfer events by THEMIS, Cluster, Double Star, and SuperDARN: Acceleration of FTEs. Journal of Geophysical Research, 2009, 114, .	3.3	27
167	Identification of photoelectron energy peaks in Saturn's inner neutral torus. Journal of Geophysical Research, 2009, 114, .	3.3	19
168	Substorm expansion triggered by a sudden impulse front propagating from the dayside magnetopause. Journal of Geophysical Research, 2009, 114, .	3.3	30
169	Deformation and evolution of solar wind discontinuities through their interactions with the Earth's bow shock. Journal of Geophysical Research, 2009, 114, .	3.3	13
170	Direct evidence of solar wind deceleration in the foreshock of the Earth. Journal of Geophysical Research, 2009, 114, .	3.3	22
171	Energetic plasma sheet electrons and their relationship with the solar wind: A Cluster and Geotail study. Journal of Geophysical Research, 2009, 114, .	3.3	18
172	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions. , 2009, , 55-106.		20
173	Titan's exosphere and its interaction with Saturn's magnetosphere. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 743-752.	1.6	7
174	Energy Deposition Processes in Titan's Upper Atmosphere and Its Induced Magnetosphere. , 2009, , 393-453.		31
175	Electric Fields and Magnetic Fields in the Plasmasphere: A Perspective from CLUSTER and IMAGE. , 2009, , 107-135.		3
176	Magnetospheric solitary structure maintained by 3000 km/s ions as a cause of westward moving auroral bulge at 19 MLT. Annales Geophysicae, 2009, 27, 2947-2969.	0.6	6
177	Foreshock-like density cavity in the outflow region of magnetotail reconnection. Annales Geophysicae, 2009, 27, 3043-3053.	0.6	4
178	Magnetosheath cavities: case studies using Cluster observations. Annales Geophysicae, 2009, 27, 3765-3780.	0.6	17
179	Occurrence and location of concentrated load and generator regions observed by Cluster in the plasma sheet. Annales Geophysicae, 2009, 27, 4131-4146.	0.6	14
180	A statistical study of hot flow anomalies using Cluster data. Advances in Space Research, 2008, 41, 1286-1291.	1.2	40

#	ARTICLE	IF	CITATIONS
181	The IMPACT Solar Wind Electron Analyzer (SWEA). <i>Space Science Reviews</i> , 2008, 136, 227-239.	3.7	76
182	Surveys on magnetospheric plasmas based on the Double Star Project (DSP) exploration. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1639-1647.	0.9	2
183	Shrinkage of magnetosphere observed by TC-1 satellite during the high-speed solar wind stream. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1695-1703.	0.9	6
184	TC-1 observation of ion high-speed flow reversal in the near-Earth plasma sheet during substorm. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1721-1730.	0.9	6
185	The evolution of mirror type magnetic fluctuations in the magnetosheath based on multipoint observations. <i>Advances in Space Research</i> , 2008, 41, 1537-1544.	1.2	18
186	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
187	Modulated reconnection rate and energy conversion at the magnetopause under steady IMF conditions. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	24
188	A magnetic null geometry reconstructed from Cluster spacecraft observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	28
189	Characteristics of middle- to low-latitude Pi2 excited by bursty bulk flows. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	58
190	Electron density estimations derived from spacecraft potential measurements on Cluster in tenuous plasma regions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	135
191	Properties of magnetosheath mirror modes observed by Cluster and their response to changes in plasma parameters. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	123
192	Observations of an active thin current sheet. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
193	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
194	Cluster observations of the Earth's quasi-parallel bow shock. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	66
195	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
196	Response of the inner magnetosphere and the plasma sheet to a sudden impulse. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	31
197	Coordinated Cluster and Double Star observations of the dayside magnetosheath and magnetopause at different latitudes near noon. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	3
198	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

#	ARTICLE	IF	CITATIONS
199	Identification of Saturn's magnetospheric regions and associated plasma processes: Synopsis of Cassini observations during orbit insertion. <i>Reviews of Geophysics</i> , 2008, 46, .	9.0	23
200	Multi-point observations of the inner boundary of the plasma sheet during geomagnetic disturbances. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	19
201	Electron trapping around a magnetic null. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	33
202	Comparison of local energy conversion estimates from Cluster with global MHD simulations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	16
203	The lower exosphere of Titan: Energetic neutral atoms absorption and imaging. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
204	Multi-instrument analysis of electron populations in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	342
205	Wave activity inside hot flow anomaly cavities. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
206	Correction to "Electron density estimations derived from spacecraft potential measurements on Cluster in tenuous plasma regions". <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	2
207	Multispacecraft and ground-based observations of substorm timing and activations: Two case studies. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	21
208	The Dust Halo of Saturn's Largest Icy Moon, Rhea. <i>Science</i> , 2008, 319, 1380-1384.	6.0	53
209	CURRENT DENSITY AND WAVE POLARIZATION OBSERVED IN DENSITY HOLES UPSTREAM OF EARTH'S BOW SHOCK. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
210	Transport of transient solar wind particles in Earth's cusps. <i>Physics of Plasmas</i> , 2008, 15, 080702.	0.7	11
211	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.	0.6	38
212	Periodic traveling compression regions during quiet geomagnetic conditions and their association with ground Pi2. <i>Annales Geophysicae</i> , 2008, 26, 3341-3354.	0.6	7
213	On the edge of the foreshock: model-data comparisons. <i>Annales Geophysicae</i> , 2008, 26, 1539-1544.	0.6	39
214	Cluster observations on the thin current sheet in the magnetotail. <i>Annales Geophysicae</i> , 2008, 26, 929-940.	0.6	9
215	Transients in oxygen outflow above the polar cap as observed by the Cluster spacecraft. <i>Annales Geophysicae</i> , 2008, 26, 3365-3373.	0.6	19
216	Iterative inversion of global magnetospheric ion distributions using energetic neutral atom (ENA) images recorded by the NUADU/TC2 instrument. <i>Annales Geophysicae</i> , 2008, 26, 1641-1652.	0.6	10

#	ARTICLE	IF	CITATIONS
217	The azimuthal extent of three flux transfer events. <i>Annales Geophysicae</i> , 2008, 26, 2353-2369.	0.6	60
218	Cluster observations of particle acceleration up to supra-thermal energies in the cusp region related to low-frequency wave activity – possible implications for the substorm initiation process. <i>Annales Geophysicae</i> , 2008, 26, 653-669.	0.6	11
219	EISCAT and Cluster observations in the vicinity of the dynamical polar cap boundary. <i>Annales Geophysicae</i> , 2008, 26, 87-105.	0.6	12
220	Observed tail current systems associated with bursty bulk flows and auroral streamers during a period of multiple substorms. <i>Annales Geophysicae</i> , 2008, 26, 167-184.	0.6	35
221	A case study of dayside reconnection under extremely low solar wind density conditions. <i>Annales Geophysicae</i> , 2008, 26, 3571-3583.	0.6	1
222	Solitary Electromagnetic Pulses Detected with Super-Alfvénic Flows in Earth's Geomagnetic Tail. <i>Physical Review Letters</i> , 2007, 98, 265001.	2.9	30
223	Density holes in the upstream solar wind. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	12
224	A Cluster measurement of fast magnetic reconnection in the magnetotail. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	42
225	Multipoint Analysis of the Rapid Convection Event. <i>Chinese Journal of Geophysics</i> , 2007, 50, 1100-1106.	0.2	2
226	TC1 and Cluster observation of an FTE on 4 January 2005: A close conjunction. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	16
227	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
228	Cluster observations of waves in the whistler frequency range associated with magnetic reconnection in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	95
229	Multi-point observations of the Hall electromagnetic field and secondary island formation during magnetic reconnection. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	128
230	Magnetosheath plasma expansion: Hybrid simulations. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	22
231	Characterization of waves in the vicinity of an interplanetary directional discontinuity. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	4
232	Motion of flux transfer events: a test of the Cooling model. <i>Annales Geophysicae</i> , 2007, 25, 1669-1690.	0.6	44
233	Ion multi-nose structures observed by Cluster in the inner Magnetosphere. <i>Annales Geophysicae</i> , 2007, 25, 171-190.	0.6	42
234	Near-simultaneous magnetotail flux rope observations with Cluster and Double Star. <i>Annales Geophysicae</i> , 2007, 25, 1887-1897.	0.6	16

#	ARTICLE	IF	CITATIONS
235	Coherent whistler emissions in the magnetosphere – Cluster observations. <i>Annales Geophysicae</i> , 2007, 25, 303-315.	0.6	27
236	The exosphere of Titan and its interaction with the kronian magnetosphere: MIMI observations and modeling. <i>Planetary and Space Science</i> , 2007, 55, 165-173.	0.9	34
237	Satellite observations of separator-line geometry of three-dimensional magnetic reconnection. <i>Nature Physics</i> , 2007, 3, 609-613.	6.5	62
238	Multi-Spacecraft Study of the 21 January 2005 ICME. <i>Solar Physics</i> , 2007, 244, 139-165.	1.0	50
239	Cluster Observations of the Magnetospheric Low-Latitude Boundary Layer and Cusp during Extreme Solar Wind and Interplanetary Magnetic Field Conditions: I. 10 November 2004 ICME. <i>Solar Physics</i> , 2007, 244, 201-232.	1.0	4
240	Cluster Observations of the Magnetospheric Low-Latitude Boundary Layer and Cusp during Extreme Solar Wind and Interplanetary Magnetic Field Conditions: II. 7 November 2004 ICME and Statistical Survey. <i>Solar Physics</i> , 2007, 244, 233-261.	1.0	9
241	The correlations of ions density with geomagnetic activity and solar dynamic pressure in cusp region. <i>Science Bulletin</i> , 2007, 52, 967-971.	1.7	5
242	Larmor radius size density holes discovered in the solar wind upstream of Earth's bow shock. <i>Physics of Plasmas</i> , 2006, 13, 050701.	0.7	39
243	Low-energy (order 10 eV) ion flow in the magnetotail lobes inferred from spacecraft wake observations. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	61
244	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
245	Low-frequency wave characteristics in the upstream and downstream regime of the terrestrial bow shock. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	39
246	Joint observations by Cluster satellites of bursty bulk flows in the magnetotail. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	174
247	CLUSTER observation of collisionless transport at the magnetopause. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	19
248	Source location of the wedge-like dispersed ring current in the morning sector during a substorm. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	20
249	Kinetic signatures during a quasi-continuous lobe reconnection event: Cluster Ion Spectrometer (CIS) observations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	16
250	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
251	Experimental investigation of auroral generator regions with conjugate Cluster and FAST data. <i>Annales Geophysicae</i> , 2006, 24, 619-635.	0.6	23
252	Origin of the turbulent spectra in the high-altitude cusp: Cluster spacecraft observations. <i>Annales Geophysicae</i> , 2006, 24, 1057-1075.	0.6	45

#	ARTICLE	IF	CITATIONS
253	Analysis of plasmaspheric plumes: CLUSTER and IMAGE observations. <i>Annales Geophysicae</i> , 2006, 24, 1737-1758.	0.6	35
254	Relations Between Bursty Bulk Flows in the Magnetotail and Substorms. <i>Chinese Journal of Geophysics</i> , 2006, 49, 531-538.	0.2	6
255	CLUSTER spacecraft observation of a thin current sheet at the Earth's magnetopause. <i>Advances in Space Research</i> , 2006, 37, 1363-1372.	1.2	21
256	Distributions of suprathermal ions near hot flow anomalies observed by RAPID aboard Cluster. <i>Advances in Space Research</i> , 2006, 38, 1587-1594.	1.2	10
257	Characteristics of high altitude oxygen ion energization and outflow as observed by Cluster: a statistical study. <i>Annales Geophysicae</i> , 2006, 24, 1099-1112.	0.6	55
258	Energy-dispersed ions in the plasma sheet boundary layer and associated phenomena: Ion heating, electron acceleration, Alfvén waves, broadband waves, perpendicular electric field spikes, and auroral emissions. <i>Annales Geophysicae</i> , 2006, 24, 2685-2707.	0.6	20
259	Association of Pi2 pulsations and pulsed reconnection: ground and Cluster observations in the tail lobe at 16 μ s. <i>Annales Geophysicae</i> , 2006, 24, 3433-3449.	0.6	30
260	Multipoint Analysis of the Temporal Scale of Bursty Bulk Flow Events during the Quiet Time of Magnetotail. <i>Chinese Journal of Geophysics</i> , 2005, 48, 277-283.	0.2	10
261	An overview of the scientific objectives and technical configuration of the Neutral Atom Detector Unit (NUADU) for the Chinese Double Star Mission. <i>Planetary and Space Science</i> , 2005, 53, 335-348.	0.9	11
262	Observation of a substorm onset on 12 September 2001. <i>Advances in Space Research</i> , 2005, 36, 1849-1854.	1.2	0
263	Improvement of plasma measurements onboard Cluster due to spacecraft potential control. <i>Advances in Space Research</i> , 2005, 36, 1951-1957.	1.2	5
264	IMPACT: Science goals and firsts with STEREO. <i>Advances in Space Research</i> , 2005, 36, 1534-1543.	1.2	23
265	Multipoint observations of ionic structures in the plasmasphere by CLUSTER's CIS and comparisons with IMAGE-EUV observations and with model simulations. <i>Geophysical Monograph Series</i> , 2005, , 23-53.	0.1	27
266	Cluster Observations of the CUSP: Magnetic Structure and Dynamics. <i>Surveys in Geophysics</i> , 2005, 26, 5-55.	2.1	25
267	Cluster Observes the High-Altitude CUSP Region. <i>Surveys in Geophysics</i> , 2005, 26, 135-175.	2.1	34
268	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
269	The NUADU experiment on TC-2 and the first Energetic Neutral Atom (ENA) images recorded by this instrument. <i>Annales Geophysicae</i> , 2005, 23, 2825-2849.	0.6	10
270	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

#	ARTICLE	IF	CITATIONS
271	Dawn-dusk asymmetries and sub-Alfvénic flow in the high and low latitude magnetosheath. <i>Annales Geophysicae</i> , 2005, 23, 3351-3364.	0.6	42
272	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
273	Cluster and Double Star observations of dipolarization. <i>Annales Geophysicae</i> , 2005, 23, 2915-2920.	0.6	19
274	Electron pitch angle variations recorded at the high magnetic latitude boundary layer by the NUADU instrument on the TC-2 spacecraft. <i>Annales Geophysicae</i> , 2005, 23, 2953-2959.	0.6	1
275	Upstream gyrating ion events: Cluster observations and simulations. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	0
276	Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. <i>Science</i> , 2005, 307, 1270-1273.	6.0	166
277	Cluster Observations of the Cusp: Magnetic Structure and Dynamics. , 2005, , 5-55.		3
278	Energy deposition by Alfvén waves into the dayside auroral oval: Cluster and FAST observations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	113
279	Bouncing ion clusters in the plasma sheet boundary layer observed by Cluster-CIS. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	7
280	Quasi-monochromatic ULF foreshock waves as observed by the four-spacecraft Cluster mission: 1. Statistical properties. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	59
281	Quasi-monochromatic ULF foreshock waves as observed by the four-spacecraft Cluster mission: 2. Oblique propagation. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	26
282	Size and shape of ULF waves in the terrestrial foreshock. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	31
283	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
284	Observations of multiple X-line structure in the Earth's magnetotail current sheet: A Cluster case study. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	108
285	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	124
286	Energetic Neutral Atom Emissions from Titan Interaction with Saturn's Magnetosphere. <i>Science</i> , 2005, 308, 989-992.	6.0	44
287	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.	0.6	76
288	First results of Chinese particle instruments in the Double Star Program. <i>Annales Geophysicae</i> , 2005, 23, 2775-2784.	0.6	6

#	ARTICLE	IF	CITATIONS
289	Multiple flux rope events at the magnetopause observations by TC-1 on 18 March 2004. <i>Annales Geophysicae</i> , 2005, 23, 2897-2901.	0.6	4
290	Statistical phase propagation and dispersion analysis of low frequency waves in the magnetosheath. <i>Annales Geophysicae</i> , 2005, 23, 3339-3349.	0.6	13
291	Cluster Observes the High-Altitude Cusp Region. , 2005, , 135-175.		0
292	Multiple Flux Rope Events at the High-Latitude Magnetopause: Cluster/Rapid Observation on 26 January, 2001. , 2005, , 193-214.		0
293	Cluster survey of the high-altitude cusp properties: a three-year statistical study. <i>Annales Geophysicae</i> , 2004, 22, 3009-3019.	0.6	53
294	The structure of high altitude O ⁺ energization and outflow: a case study. <i>Annales Geophysicae</i> , 2004, 22, 2497-2506.	0.6	33
295	CLUSTER encounters with the high altitude cusp: boundary structure and magnetic field depletions. <i>Annales Geophysicae</i> , 2004, 22, 1739-1754.	0.6	37
296	Cluster observations of structures at quasi-parallel bow shocks. <i>Annales Geophysicae</i> , 2004, 22, 2309-2313.	0.6	40
297	The exterior cusp and its boundary with the magnetosheath: Cluster multi-event analysis. <i>Annales Geophysicae</i> , 2004, 22, 3039-3054.	0.6	47
298	Cluster observations of magnetic field fluctuations in the high-altitude cusp. <i>Annales Geophysicae</i> , 2004, 22, 2413-2429.	0.6	40
299	Reconstruction of two-dimensional magnetopause structures from Cluster observations: verification of method. <i>Annales Geophysicae</i> , 2004, 22, 1251-1266.	0.6	81
300	Bow shock specularly reflected ions in the presence of low-frequency electromagnetic waves: a case study. <i>Annales Geophysicae</i> , 2004, 22, 2325-2335.	0.6	34
301	High performance solar sails for linear trajectories and heliostationary missions. <i>Advances in Space Research</i> , 2004, 34, 198-203.	1.2	20
302	Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan. <i>Space Science Reviews</i> , 2004, 114, 233-329.	3.7	354
303	The energetic NeUtral Atom Detector Unit (NUADU) for China's Double Star Mission and its calibration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 530, 311-322.	0.7	19
304	Investigation of the source region of ionospheric oxygen outflow in the cleft/cusp using multi-spacecraft observations by CIS onboard Cluster. <i>Advances in Space Research</i> , 2004, 34, 2459-2464.	1.2	13
305	Cluster observations of ULF waves with pulsating electron beams above the high latitude dusk-side auroral region. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	8
306	Oblique propagation of 30 s period fast magnetosonic foreshock waves: A Cluster case study. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	27

#	ARTICLE	IF	CITATIONS
307	Case studies of the dynamics of ionospheric ions in the Earth's magnetotail. Journal of Geophysical Research, 2004, 109, .	3.3	58
308	Cluster observations of hot flow anomalies. Journal of Geophysical Research, 2004, 109, .	3.3	77
309	First comparisons of local ion measurements in the inner magnetosphere with energetic neutral atom magnetospheric image inversions: Cluster-CIS and IMAGE-HENA observations. Journal of Geophysical Research, 2004, 109, .	3.3	51
310	Motion and orientation of magnetic field dips and peaks in the terrestrial magnetosheath. Journal of Geophysical Research, 2004, 109, .	3.3	35
311	New properties of energy-dispersed ions in the plasma sheet boundary layer observed by Cluster. Journal of Geophysical Research, 2004, 109, .	3.3	32
312	Energetic magnetospheric oxygen in the magnetosheath and its response to IMF orientation: Cluster observations. Journal of Geophysical Research, 2004, 109, .	3.3	28
313	Transient ion beamlet injections into spatially separated PSBL flux tubes observed by Cluster-CIS. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	28
314	Cluster observations of velocity space-restricted ion distributions near the plasma sheet. Geophysical Research Letters, 2004, 31, .	1.5	19
315	Ion injections at auroral latitude during the March 31, 2001 magnetic storm observed by Cluster. Geophysical Research Letters, 2004, 31, .	1.5	7
316	Cluster observations of complex 3D magnetic structures at the magnetopause. Geophysical Research Letters, 2004, 31, .	1.5	24
317	Simultaneous observations of field-aligned beams and gyrating ions in the terrestrial foreshock. Journal of Geophysical Research, 2004, 109, .	3.3	41
318	Alfvén waves in the foreshock propagating upstream in the plasma rest frame: statistics from Cluster observations. Annales Geophysicae, 2004, 22, 2315-2323.	0.6	38
319	Production of gyrating ions from nonlinear wave-particle interaction upstream from the Earth's bow shock: A case study from Cluster-CIS. Planetary and Space Science, 2003, 51, 785-795.	0.9	75
320	Simultaneous Cluster and IMAGE observations of cusp reconnection and auroral proton spot for northward IMF. Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	130
321	Dispersion analysis of ULF waves in the foreshock using cluster data and the wave telescope technique. Geophysical Research Letters, 2003, 30, .	1.5	40
322	Ion cyclotron waves in the high altitude cusp: CLUSTER observations at varying spacecraft separations. Geophysical Research Letters, 2003, 30, .	1.5	34
323	Solar Wind Particle Distribution Function Fitted via the Generalized Kappa Distribution Function: Cluster Observations. AIP Conference Proceedings, 2003, , .	0.3	22
324	Solitary Waves Observed By Cluster In the Solar Wind. AIP Conference Proceedings, 2003, , .	0.3	4

#	ARTICLE	IF	CITATIONS
325	Evidence for impulsive solar wind plasma penetration through the dayside magnetopause. <i>Annales Geophysicae</i> , 2003, 21, 457-472.	0.6	51
326	On the existence of Alfvén waves in the terrestrial foreshock. <i>Annales Geophysicae</i> , 2003, 21, 1457-1465.	0.6	52
327	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
328	Cusp structures: combining multi-spacecraft observations with ground-based observations. <i>Annales Geophysicae</i> , 2003, 21, 2031-2041.	0.6	20
329	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
330	Cluster observations of fast magnetosonic waves in the terrestrial foreshock. <i>Geophysical Research Letters</i> , 2002, 29, 3-1-3-4.	1.5	43
331	Motion of the dipolarization front during a flow burst event observed by Cluster. <i>Geophysical Research Letters</i> , 2002, 29, 3-1-3-4.	1.5	355
332	Motion of auroral ion outflow structures observed with CLUSTER and IMAGE FUV. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 17-1-SMP 17-11.	3.3	7
333	A nebula of gases from Io surrounding Jupiter. <i>Nature</i> , 2002, 415, 994-996.	13.7	44
334	Magnetospheric and Plasma Science with Cassini-Huygens. <i>Space Science Reviews</i> , 2002, 104, 253-346.	3.7	47
335	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
336	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
337	A case study of low-frequency waves at the magnetopause. <i>Annales Geophysicae</i> , 2001, 19, 1463-1470.	0.6	16
338	Observations of the spatial and temporal structure of field-aligned beam and gyrating ring distributions at the quasi-perpendicular bow shock with Cluster CIS. <i>Annales Geophysicae</i> , 2001, 19, 1411-1420.	0.6	40
339	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.	0.6	1,040
340	Polarisation and propagation of lion roars in the dusk side magnetosheath. <i>Annales Geophysicae</i> , 2001, 19, 1429-1438.	0.6	32
341	Development of an innovative, two-processor data processing unit for the magnetospheric imaging instrument onboard the Cassini mission to Saturn. I. Hardware architecture. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1999, 37, 1980-1996.	2.7	1
342	Determination of the location of substorm acceleration regions. <i>Advances in Space Research</i> , 1993, 13, 199-202.	1.2	0

#	ARTICLE	IF	CITATIONS
343	Tailward propagating cross-tail current disruption and dynamics of near-Earth Tail: A multi-point measurement analysis. <i>Geophysical Research Letters</i> , 1993, 20, 983-986.	1.5	99
344	Low-energy particle layer outside of the plasma sheet boundary. <i>Journal of Geophysical Research</i> , 1992, 97, 2943-2954.	3.3	43
345	Location and propagation of the magnetotail current disruption during substorm expansion: Analysis and simulation of an ISEE multi-onset event. <i>Geophysical Research Letters</i> , 1991, 18, 389-392.	1.5	173
346	On the average shape and position of the geomagnetic neutral sheet and its influence on plasma sheet statistical studies. <i>Journal of Geophysical Research</i> , 1988, 93, 7345-7353.	3.3	36
347	Large scale response of the magnetosphere to a southward turning of the interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 1987, 92, 2365-2376.	3.3	31
348	A statistical study of plasma sheet dynamics using Isee 1 and 2 energetic particle flux data. <i>Journal of Geophysical Research</i> , 1986, 91, 6861-6870.	3.3	33
349	Particle dynamics of the plasma sheet boundary layer. <i>Advances in Space Research</i> , 1986, 6, 159-163.	1.2	9
350	Structures of Sub-Kev Ions Inside the Ring Current Region. <i>Geophysical Monograph Series</i> , 0, , 41-46.	0.1	7
351	Plasma-neutral gas interactions in various space environments: Assessment beyond simplified approximations as a Voyage 2050 theme. <i>Experimental Astronomy</i> , 0, , 1.	1.6	1