

Iannis Dandouras

List of Publications by Year in descending order

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351
papers

12,481
citations

34105
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369
docs citations

369
times ranked

3771
citing authors

#	ARTICLE	IF	CITATIONS
1	First multispacecraft ion measurements in and near the Earth's magnetosphere with the identical Cluster ion spectrometry (CIS) experiment. <i>Annales Geophysicae</i> , 2001, 19, 1303-1354.	1.6	1,040
2	Motion of the dipolarization front during a flow burst event observed by Cluster. <i>Geophysical Research Letters</i> , 2002, 29, 3-1-3-4.	4.0	355
3	Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan. <i>Space Science Reviews</i> , 2004, 114, 233-329.	8.1	354
4	Multi-instrument analysis of electron populations in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	342
5	Joint observations by Cluster satellites of bursty bulk flows in the magnetotail. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	174
6	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.	4.0	173
7	Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. <i>Science</i> , 2005, 307, 1270-1273.	12.6	166
8	The Solar Orbiter Solar Wind Analyser (SWA) suite. <i>Astronomy and Astrophysics</i> , 2020, 642, A16.	5.1	141
9	Cluster observations of EMIC triggered emissions in association with Pc1 waves near Earth's plasmapause. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	137
10	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
11	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.	4.0	130
12	Circulation of Heavy Ions and Their Dynamical Effects in the Magnetosphere: Recent Observations and Models. <i>Space Science Reviews</i> , 2014, 184, 173-235.	8.1	130
13	Evolution of dipolarization in the near-Earth current sheet induced by Earthward rapid flux transport. <i>Annales Geophysicae</i> , 2009, 27, 1743-1754.	1.6	129
14	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
15	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	124
16	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
17	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
18	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

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19	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions. <i>Space Science Reviews</i> , 2009, 145, 55-106.	8.1	109
20	Observations of multiple X-line structure in the Earth's magnetotail current sheet: A Cluster case study. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	108
21	Theory and observation of electromagnetic ion cyclotron triggered emissions in the magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	108
22	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.	4.0	99
23	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
24	Observations of discrete harmonics emerging from equatorial noise. <i>Nature Communications</i> , 2015, 6, 7703.	12.8	93
25	Supermagnetosonic subsolar magnetosheath jets and their effects: from the solar wind to the ionospheric convection. <i>Annales Geophysicae</i> , 2012, 30, 33-48.	1.6	92
26	Cluster observations of the exterior cusp and its surrounding boundaries under northward IMF. <i>Geophysical Research Letters</i> , 2002, 29, 56-1-56-4.	4.0	87
27	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.	2.4	86
28	Reconstruction of two-dimensional magnetopause structures from Cluster observations: verification of method. <i>Annales Geophysicae</i> , 2004, 22, 1251-1266.	1.6	81
29	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
30	Cusp as a source for oxygen in the plasma sheet during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	78
31	Cluster observations of hot flow anomalies. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	77
32	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	3.7	77
33	The IMPACT Solar Wind Electron Analyzer (SWEA). <i>Space Science Reviews</i> , 2008, 136, 227-239.	8.1	76
34	The HIA instrument on board the Tan Ce 1 Double Star near-equatorial spacecraft and its first results. <i>Annales Geophysicae</i> , 2005, 23, 2757-2774.	1.6	76
35	Production of gyrating ions from nonlinear wave-particle interaction upstream from the Earth's bow shock: A case study from Cluster-CIS. <i>Planetary and Space Science</i> , 2003, 51, 785-795.	1.7	75
36	Mirror structures above and below the linear instability threshold: Cluster observations, fluid model and hybrid simulations. <i>Annales Geophysicae</i> , 2009, 27, 601-615.	1.6	74

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37	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
38	First current density measurements in the ring current region using simultaneous multi-spacecraft CLUSTER-FGM data. <i>Annales Geophysicae</i> , 2005, 23, 1849-1865.	1.6	67
39	Cluster observations of the Earth's quasi-parallel bow shock. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	66
40	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
41	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015, 33, 1369-1402.	1.6	66
42	Satellite observations of separator-line geometry of three-dimensional magnetic reconnection. <i>Nature Physics</i> , 2007, 3, 609-613.	16.7	62
43	Low-energy (order 10 eV) ion flow in the magnetotail lobes inferred from spacecraft wake observations. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	61
44	Geomagnetic signatures of current wedge produced by fast flows in a plasma sheet. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	61
45	The azimuthal extent of three flux transfer events. <i>Annales Geophysicae</i> , 2008, 26, 2353-2369.	1.6	60
46	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
47	Average magnetotail electron and proton pitch angle distributions from Cluster PEACE and CIS observations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	59
48	Case studies of the dynamics of ionospheric ions in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	58
49	Characteristics of middle- to low-latitude Pi2 excited by bursty bulk flows. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	58
50	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.	4.0	57
51	Characteristics of high altitude oxygen ion energization and outflow as observed by Cluster: a statistical study. <i>Annales Geophysicae</i> , 2006, 24, 1099-1112.	1.6	55
52	Cluster and Double Star multipoint observations of a plasma bubble. <i>Annales Geophysicae</i> , 2009, 27, 725-743.	1.6	54
53	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Science Reviews</i> , 2015, 192, 145-208.	8.1	54
54	Intermittent thermal plasma acceleration linked to sporadic motions of the magnetopause, first Cluster results. <i>Annales Geophysicae</i> , 2001, 19, 1523-1532.	1.6	53

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55	Cluster survey of the high-altitude cusp properties: a three-year statistical study. <i>Annales Geophysicae</i> , 2004, 22, 3009-3019.	1.6	53
56	The Dust Halo of Saturn's Largest Icy Moon, Rhea. <i>Science</i> , 2008, 319, 1380-1384.	12.6	53
57	On the existence of Alfvén waves in the terrestrial foreshock. <i>Annales Geophysicae</i> , 2003, 21, 1457-1465.	1.6	52
58	Evidence for impulsive solar wind plasma penetration through the dayside magnetopause. <i>Annales Geophysicae</i> , 2003, 21, 457-472.	1.6	51
59	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
60	Multi-Spacecraft Study of the 21 January 2005 ICME. <i>Solar Physics</i> , 2007, 244, 139-165.	2.5	50
61	Proton/electron temperature ratio in the magnetotail. <i>Annales Geophysicae</i> , 2011, 29, 2253-2257.	1.6	50
62	A global study of hot flow anomalies using Cluster multi-spacecraft measurements. <i>Annales Geophysicae</i> , 2009, 27, 2057-2076.	1.6	49
63	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.	2.4	49
64	Magnetospheric and Plasma Science with Cassini-Huygens. <i>Space Science Reviews</i> , 2002, 104, 253-346.	8.1	47
65	The exterior cusp and its boundary with the magnetosheath: Cluster multi-event analysis. <i>Annales Geophysicae</i> , 2004, 22, 3039-3054.	1.6	47
66	Direct observation of closed magnetic flux trapped in the high-latitude magnetosphere. <i>Science</i> , 2014, 346, 1506-1510.	12.6	46
67	Origin of the turbulent spectra in the high-altitude cusp: Cluster spacecraft observations. <i>Annales Geophysicae</i> , 2006, 24, 1057-1075.	1.6	45
68	A nebula of gases from Io surrounding Jupiter. <i>Nature</i> , 2002, 415, 994-996.	27.8	44
69	Energetic Neutral Atom Emissions from Titan Interaction with Saturn's Magnetosphere. <i>Science</i> , 2005, 308, 989-992.	12.6	44
70	Motion of flux transfer events: a test of the Cooling model. <i>Annales Geophysicae</i> , 2007, 25, 1669-1690.	1.6	44
71	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
72	Low-energy particle layer outside of the plasma sheet boundary. <i>Journal of Geophysical Research</i> , 1992, 97, 2943-2954.	3.3	43

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73	Cluster observations of fast magnetosonic waves in the terrestrial foreshock. Geophysical Research Letters, 2002, 29, 3-1-3-4.	4.0	43
74	Dawn-dusk asymmetries and sub-Alfvénic flow in the high and low latitude magnetosheath. Annales Geophysicae, 2005, 23, 3351-3364.	1.6	42
75	A Cluster measurement of fast magnetic reconnection in the magnetotail. Geophysical Research Letters, 2007, 34, .	4.0	42
76	Ion multi-nose structures observed by Cluster in the inner Magnetosphere. Annales Geophysicae, 2007, 25, 171-190.	1.6	42
77	Simultaneous observations of field-aligned beams and gyrating ions in the terrestrial foreshock. Journal of Geophysical Research, 2004, 109, .	3.3	41
78	Energetic ion dynamics of the inner magnetosphere revealed in coordinated Cluster–Double Star observations. Journal of Geophysical Research, 2009, 114, .	3.3	41
79	Observations of the spatial and temporal structure of field-aligned beam and gyrating ring distributions at the quasi-perpendicular bow shock with Cluster CIS. Annales Geophysicae, 2001, 19, 1411-1420.	1.6	40
80	Dispersion analysis of ULF waves in the foreshock using cluster data and the wave telescope technique. Geophysical Research Letters, 2003, 30, .	4.0	40
81	Cluster observations of structures at quasi-parallel bow shocks. Annales Geophysicae, 2004, 22, 2309-2313.	1.6	40
82	Cluster observations of magnetic field fluctuations in the high-altitude cusp. Annales Geophysicae, 2004, 22, 2413-2429.	1.6	40
83	A statistical study of hot flow anomalies using Cluster data. Advances in Space Research, 2008, 41, 1286-1291.	2.6	40
84	Observations of an active thin current sheet. Journal of Geophysical Research, 2008, 113, .	3.3	40
85	Enhanced atmospheric oxygen outflow on Earth and Mars driven by a corotating interaction region. Journal of Geophysical Research, 2012, 117, .	3.3	40
86	Larmor radius size density holes discovered in the solar wind upstream of Earth’s bow shock. Physics of Plasmas, 2006, 13, 050701.	1.9	39
87	Low-frequency wave characteristics in the upstream and downstream regime of the terrestrial bow shock. Journal of Geophysical Research, 2006, 111, .	3.3	39
88	On the edge of the foreshock: model-data comparisons. Annales Geophysicae, 2008, 26, 1539-1544.	1.6	39
89	Observation of a Complex Solar Wind Reconnection Exhaust from Spacecraft Separated by over 1800 R _E . Solar Physics, 2009, 256, 379-392.	2.5	39
90	Cluster observations of the high-latitude magnetopause and cusp: initial results from the CIS ion instruments. Annales Geophysicae, 2001, 19, 1545-1566.	1.6	38

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91	An assessment of the role of the centrifugal acceleration mechanism in high altitude polar cap oxygen ion outflow. <i>Annales Geophysicae</i> , 2008, 26, 145-157.	1.6	38
92	Planetary space weather: scientific aspects and future perspectives. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A31.	3.3	38
93	Alfvén waves in the foreshock propagating upstream in the plasma rest frame: statistics from Cluster observations. <i>Annales Geophysicae</i> , 2004, 22, 2315-2323.	1.6	38
94	CLUSTER encounters with the high altitude cusp: boundary structure and magnetic field depletions. <i>Annales Geophysicae</i> , 2004, 22, 1739-1754.	1.6	37
95	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
96	Waves in high-speed plasmoids in the magnetosheath and at the magnetopause. <i>Annales Geophysicae</i> , 2014, 32, 991-1009.	1.6	37
97	Distribution of energetic oxygen and hydrogen in the near-Earth plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3415-3431.	2.4	37
98	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
99	Towards a Global Unified Model of Europa's Tenuous Atmosphere. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	36
100	Motion and orientation of magnetic field dips and peaks in the terrestrial magnetosheath. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	35
101	Analysis of plasmaspheric plumes: CLUSTER and IMAGE observations. <i>Annales Geophysicae</i> , 2006, 24, 1737-1758.	1.6	35
102	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.	1.6	35
103	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.	2.4	35
104	Ion cyclotron waves in the high altitude cusp: CLUSTER observations at varying spacecraft separations. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	34
105	Bow shock specularly reflected ions in the presence of low-frequency electromagnetic waves: a case study. <i>Annales Geophysicae</i> , 2004, 22, 2325-2335.	1.6	34
106	Cluster Observes the High-Altitude CUSP Region. <i>Surveys in Geophysics</i> , 2005, 26, 135-175.	4.6	34
107	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.	1.7	34
108	South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34

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109	A statistical study of plasma sheet dynamics using Isee 1 and 2 energetic particle flux data. Journal of Geophysical Research, 1986, 91, 6861-6870.	3.3	33
110	The structure of high altitude O ⁺ energization and outflow: a case study. Annales Geophysicae, 2004, 22, 2497-2506.	1.6	33
111	Electron trapping around a magnetic null. Geophysical Research Letters, 2008, 35, .	4.0	33
112	Statistical analysis of earthward flow bursts in the inner plasma sheet during substorms. Journal of Geophysical Research, 2009, 114, .	3.3	33
113	Plasma penetration of the dayside magnetopause. Physics of Plasmas, 2012, 19, .	1.9	33
114	Polarisation and propagation of lion roars in the dusk side magnetosheath. Annales Geophysicae, 2001, 19, 1429-1438.	1.6	32
115	New properties of energy-dispersed ions in the plasma sheet boundary layer observed by Cluster. Journal of Geophysical Research, 2004, 109, .	3.3	32
116	Double Star TC-1 observations of component reconnection at the dayside magnetopause: a preliminary study. Annales Geophysicae, 2005, 23, 2889-2895.	1.6	32
117	Formation of the low-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
118	Statistical analysis of the energetic ion and ENA data for the Titan environment. Planetary and Space Science, 2010, 58, 1811-1822.	1.7	32
119	Spectral characteristics of protons in the Earth's plasmasheet: statistical results from Cluster CIS and RAPID. Annales Geophysicae, 2010, 28, 1483-1498.	1.6	32
120	Self-Reformation of the Quasi-Perpendicular Shock: CLUSTER Observations. , 2010, , .		32
121	Detection of a plasmaspheric wind in the Earth's magnetosphere by the Cluster spacecraft. Annales Geophysicae, 2013, 31, 1143-1153.	1.6	32
122	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). Space Science Reviews, 2021, 217, 1.	8.1	32
123	Large scale response of the magnetosphere to a southward turning of the interplanetary magnetic field. Journal of Geophysical Research, 1987, 92, 2365-2376.	3.3	31
124	Size and shape of ULF waves in the terrestrial foreshock. Journal of Geophysical Research, 2005, 110, .	3.3	31
125	Response of the inner magnetosphere and the plasma sheet to a sudden impulse. Journal of Geophysical Research, 2008, 113, .	3.3	31
126	Energy conversion regions as observed by Cluster in the plasma sheet. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	31

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127	Energy Deposition Processes in Titan's Upper Atmosphere and Its Induced Magnetosphere. , 2009, , 393-453.		31
128	Solitary Electromagnetic Pulses Detected with Super-Alfvénic Flows in Earth's Geomagnetic Tail. Physical Review Letters, 2007, 98, 265001.	7.8	30
129	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
130	Solar wind and substorm excitation of the wavy current sheet. Annales Geophysicae, 2009, 27, 2457-2474.	1.6	30
131	Substorm expansion triggered by a sudden impulse front propagating from the dayside magnetopause. Journal of Geophysical Research, 2009, 114, .	3.3	30
132	Association of Pi2 pulsations and pulsed reconnection: ground and Cluster observations in the tail lobe at 16 μ R. Annales Geophysicae, 2006, 24, 3433-3449.	1.6	30
133	Electromagnetic ion cyclotron waves in the helium branch induced by multiple electromagnetic ion cyclotron triggered emissions. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	29
134	Statistical study of foreshock cavitons. Annales Geophysicae, 2013, 31, 2163-2178.	1.6	29
135	Energetic magnetospheric oxygen in the magnetosheath and its response to IMF orientation: Cluster observations. Journal of Geophysical Research, 2004, 109, .	3.3	28
136	Transient ion beamlet injections into spatially separated PSBL flux tubes observed by Cluster-CIS. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	28
137	Multiple Flux Rope Events at the High-Latitude Magnetopause: Cluster/Rapid Observation on 26 January, 2001. Surveys in Geophysics, 2005, 26, 193-214.	4.6	28
138	A magnetic null geometry reconstructed from Cluster spacecraft observations. Journal of Geophysical Research, 2008, 113, .	3.3	28
139	The distribution of Titan's high-altitude (out to $\sim 1/4$ 50,000km) exosphere from energetic neutral atom (ENA) measurements by Cassini/INCA. Planetary and Space Science, 2012, 60, 107-114.	1.7	28
140	Atmospheric loss from the dayside open polar region and its dependence on geomagnetic activity: implications for atmospheric escape on evolutionary timescales. Annales Geophysicae, 2017, 35, 721-731.	1.6	28
141	Oblique propagation of 30 s period fast magnetosonic foreshock waves: A Cluster case study. Geophysical Research Letters, 2004, 31, .	4.0	27
142	Multipoint observations of ionic structures in the plasmasphere by CLUSTER-CIS and comparisons with IMAGE-EUV observations and with model simulations. Geophysical Monograph Series, 2005, , 23-53.	0.1	27
143	Coherent whistler emissions in the magnetosphere – Cluster observations. Annales Geophysicae, 2007, 25, 303-315.	1.6	27
144	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

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145	A radiation belt of energetic protons located between Saturn and its rings. <i>Science</i> , 2018, 362, .	12.6	27
146	Direct evidence of nonstationary collisionless shocks in space plasmas. <i>Science Advances</i> , 2019, 5, eaau9926.	10.3	27
147	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
148	On the fine structure of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6367-6385.	2.4	26
149	SERENA: Particle Instrument Suite for Determining the Sun-Mercury Interaction from BepiColombo. <i>Space Science Reviews</i> , 2021, 217, 11.	8.1	26
150	Cluster Observations of the CUSP: Magnetic Structure and Dynamics. <i>Surveys in Geophysics</i> , 2005, 26, 5-55.	4.6	25
151	Multiple responses of magnetotail to the enhancement and fluctuation of solar wind dynamic pressure and the southward turning of interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	25
152	Timing mirror structures observed by Cluster with a magnetosheath flow model. <i>Annales Geophysicae</i> , 2011, 29, 1849-1860.	1.6	25
153	Lower-thermosphereâ€“ionosphere (LTI) quantities: current status of measuring techniques and models. <i>Annales Geophysicae</i> , 2021, 39, 189-237.	1.6	25
154	Daedalus: a low-flying spacecraft for in situ exploration of the lower thermosphereâ€“ionosphere. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2020, 9, 153-191.	1.6	25
155	Cluster observations of complex 3D magnetic structures at the magnetopause. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	24
156	Modulated reconnection rate and energy conversion at the magnetopause under steady IMF conditions. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	24
157	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
158	Tracing solar wind plasma entry into the magnetosphere using ionâ€“electron temperature ratio. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	24
159	Statistics of counter-streaming solar wind suprathermal electrons at solar minimum: STEREO observations. <i>Annales Geophysicae</i> , 2010, 28, 233-246.	1.6	24
160	The evolution of flux pileup regions in the plasma sheet: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6279-6290.	2.4	24
161	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.	2.4	24
162	IMPACT: Science goals and firsts with STEREO. <i>Advances in Space Research</i> , 2005, 36, 1534-1543.	2.6	23

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163	Experimental investigation of auroral generator regions with conjugate Cluster and FAST data. <i>Annales Geophysicae</i> , 2006, 24, 619-635.	1.6	23
164	Identification of Saturn's magnetospheric regions and associated plasma processes: Synopsis of Cassini observations during orbit insertion. <i>Reviews of Geophysics</i> , 2008, 46, .	23.0	23
165	Detection of $m/q = 2$ pickup ions in the plasma environment of the Moon: The trace of exospheric H^{+} . <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	23
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167	Acceleration of O^{+} from the cusp to the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1022-1034.	2.4	23
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