

Mats Andr ©

List of Publications by Year in descending order

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209
papers

11,655
citations

22548

61
h-index

40945

97
g-index

234
all docs

234
docs citations

234
times ranked

3468
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observations of anomalous resistivity and diffusion in collisionless plasma. <i>Nature Communications</i> , 2022, 13, .	5.8	15
2	Large Amplitude Electrostatic Proton Plasma Frequency Waves in the Magnetospheric Separatrix and Outflow Regions During Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090286.	1.5	9
3	Kinetic Interaction of Cold and Hot Protons With an Oblique EMIC Wave Near the Dayside Reconnecting Magnetopause. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092376.	1.5	6
4	Impacts of Ionospheric Ions on Magnetic Reconnection and Earth's Magnetosphere Dynamics. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000707.	9.0	26
5	Upper-Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093164.	1.5	13
6	The Spacecraft Wake: Interference With Electric Field Observations and a Possibility to Detect Cold Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029493.	0.8	9
7	Non-Maxwellianity of Electron Distributions Near Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029260.	0.8	9
8	Thin Current Sheet Behind the Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029518.	0.8	8
9	Quantification of Cold-Ion Beams in a Magnetic Reconnection Jet. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	4
10	High-Latitude Cold Ion Outflow Inferred From the Cluster Wake Observations in the Magnetotail Lobes and the Polar Cap Region. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
11	Structure of a Perturbed Magnetic Reconnection Electron Diffusion Region in the Earth's Magnetotail. <i>Physical Review Letters</i> , 2021, 127, 215101.	2.9	15
12	Electron Bernstein waves driven by electron crescents near the electron diffusion region. <i>Nature Communications</i> , 2020, 11, 141.	5.8	26
13	Electron Acceleration in a Magnetotail Reconnection Outflow Region Using Magnetospheric MultiScale Data. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085080.	1.5	10
14	Energetic Particle Signatures Above Saturn's Aurorae. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027403.	0.8	5
15	Plasma Density and Magnetic Field Fluctuations in the Ion Gyro-Frequency Range Near the Diamagnetic Cavity of Comet 67P. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028592.	0.8	4
16	Ion-Beam-Driven Intense Electrostatic Solitary Waves in Reconnection Jet. <i>Geophysical Research Letters</i> , 2019, 46, 12702-12710.	1.5	43
17	MMS Observations of Multiscale Hall Physics in the Magnetotail. <i>Geophysical Research Letters</i> , 2019, 46, 10230-10239.	1.5	5
18	Mass Loading the Earth's Dayside Magnetopause Boundary Layer and Its Effect on Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2019, 46, 6204-6213.	1.5	21

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19	The GIC and Geomagnetic Response Over Fennoscandia to the 7 th –8 September 2017 Geomagnetic Storm. <i>Space Weather</i> , 2019, 17, 989-1010.	1.3	65
20	Proton Temperature Anisotropies in the Plasma Environment of Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3312-3330.	0.8	14
21	Electrostatic Spacecraft Potential Structure and Wake Formation Effects for Characterization of Cold Ion Beams in the Earth's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10048-10062.	0.8	17
22	High-density O ⁺ in Earth's outer magnetosphere and its effect on dayside magnetopause magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10257-10269.	0.8	14
23	Universality of Lower Hybrid Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8727-8760.	0.8	45
24	Electron Reconnection in the Magnetopause Current Layer. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9222-9238.	0.8	15
25	Magnetotail Hall Physics in the Presence of Cold Ions. <i>Geophysical Research Letters</i> , 2018, 45, 10,941.	1.5	17
26	Rippled Electron-Scale Structure of a Dipolarization Front. <i>Geophysical Research Letters</i> , 2018, 45, 12,116.	1.5	38
27	Large-Amplitude High-Frequency Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2630-2657.	0.8	30
28	Enhanced Escape of Spacecraft Photoelectrons Caused by Langmuir and Upper Hybrid Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7534-7553.	0.8	14
29	Perpendicular Current Reduction Caused by Cold Ions of Ionospheric Origin in Magnetic Reconnection at the Magnetopause: Particle-in-Cell Simulations and Spacecraft Observations. <i>Geophysical Research Letters</i> , 2018, 45, 10,033.	1.5	17
30	Estimating the Kinetic Energy Budget of the Polar Wind Outflow. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7917-7929.	0.8	5
31	Electron Energization at a Reconnecting Magnetosheath Current Sheet. <i>Geophysical Research Letters</i> , 2018, 45, 8081-8090.	1.5	20
32	Ion Velocity and Electron Temperature Inside and Around the Diamagnetic Cavity of Comet 67P. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5870-5893.	0.8	39
33	Energy conversion at dipolarization fronts. <i>Geophysical Research Letters</i> , 2017, 44, 1234-1242.	1.5	49
34	Rosetta measurements of lower hybrid frequency range electric field oscillations in the plasma environment of comet 67P. <i>Geophysical Research Letters</i> , 2017, 44, 1641-1651.	1.5	26
35	Lower hybrid waves at comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S29-S38.	1.6	26
36	MMS observations of whistler waves in electron diffusion region. <i>Geophysical Research Letters</i> , 2017, 44, 3954-3962.	1.5	89

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37	Quadrupolar pattern of the asymmetric guide-field reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6349-6356.	0.8	40
38	Effective ion speeds at $\sim 1/4 200 \text{--} 250 \text{ km}$ from comet 67P/Churyumov-Gerasimenko near perihelion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S142-S148.	1.6	29
39	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 517-533.	0.8	108
40	Intermittent energy dissipation by turbulent reconnection. <i>Geophysical Research Letters</i> , 2017, 44, 37-43.	1.5	176
41	Cold Ion Outflow Modulated by the Solar Wind Energy Input and Tilt of the Geomagnetic Dipole. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,658.	0.8	14
42	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,194.	0.8	19
43	Energy budget and mechanisms of cold ion heating in asymmetric magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9396-9413.	0.8	24
44	Instability of Agyrotropic Electron Beams near the Electron Diffusion Region. <i>Physical Review Letters</i> , 2017, 119, 025101.	2.9	46
45	Solar Illumination Control of the Polar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,468-11,480.	0.8	6
46	Investigating short-time-scale variations in cometary ions around comet 67P. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S522-S534.	1.6	24
47	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
48	Whistler emission in the separatrix regions of asymmetric magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1934-1954.	0.8	56
49	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 5571-5580.	1.5	66
50	A statistical study of EMIC waves observed by Cluster: 2. Associated plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6458-6479.	0.8	45
51	Three-scale structure of diffusion region in the presence of cold ions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 12,001.	0.8	30
52	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016, 43, 5635-5643.	1.5	47
53	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 6705-6712.	1.5	45
54	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9608-9618.	0.8	20

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55	Cold ion demagnetization near the Xâ€line of magnetic reconnection. Geophysical Research Letters, 2016, 43, 6759-6767.	1.5	35
56	Electron currents and heating in the ion diffusion region of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 4691-4700.	1.5	53
57	Identifying magnetic reconnection events using the FOTE method. Journal of Geophysical Research: Space Physics, 2016, 121, 1263-1272.	0.8	69
58	CME impact on comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S45-S56.	1.6	42
59	Turbulence Heating ObserverR â€ satellite mission proposal. Journal of Plasma Physics, 2016, 82, .	0.7	60
60	Electrostatic solitary waves and electrostatic waves at the magnetopause. Journal of Geophysical Research: Space Physics, 2016, 121, 3069-3092.	0.8	73
61	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. Geophysical Research Letters, 2016, 43, 6724-6733.	1.5	37
62	Magnetospheric Multiscale observations of largeâ€amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. Geophysical Research Letters, 2016, 43, 5626-5634.	1.5	66
63	The Earth: Plasma Sources, Losses, and Transport Processes. Space Sciences Series of ISSI, 2016, , 145-208.	0.0	3
64	Cold ion heating at the dayside magnetopause during magnetic reconnection. Geophysical Research Letters, 2016, 43, 58-66.	1.5	34
65	Spatial distribution of lowâ€energy plasma around comet 67P/CG from Rosetta measurements. Geophysical Research Letters, 2015, 42, 4263-4269.	1.5	74
66	Evolution of the plasma environment of comet 67P from spacecraft potential measurements by the Rosetta Langmuir probe instrument. Geophysical Research Letters, 2015, 42, 10,126.	1.5	49
67	SWARM observations of equatorial electron densities and topside GPS track losses. Geophysical Research Letters, 2015, 42, 2088-2092.	1.5	66
68	Electrostatic solitary waves with distinct speeds associated with asymmetric reconnection. Geophysical Research Letters, 2015, 42, 215-224.	1.5	62
69	How to find magnetic nulls and reconstruct field topology with MMS data?. Journal of Geophysical Research: Space Physics, 2015, 120, 3758-3782.	0.8	111
70	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. Journal of Geophysical Research: Space Physics, 2015, 120, 5574-5592.	0.8	136
71	Statistics and accuracy of magnetic null identification in multispacecraft data. Geophysical Research Letters, 2015, 42, 6883-6889.	1.5	16
72	Slow electron holes in multicomponent plasmas. Geophysical Research Letters, 2015, 42, 7264-7272.	1.5	30

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73	Estimation of cold plasma outflow during geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,622.	0.8	18
74	Previously hidden low-energy ions: a better map of near-Earth space and the terrestrial mass balance. <i>Physica Scripta</i> , 2015, 90, 128005.	1.2	10
75	Outflow of low-energy ions and the solar cycle. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1072-1085.	0.8	47
76	Slow electron phase space holes: Magnetotail observations. <i>Geophysical Research Letters</i> , 2015, 42, 1654-1661.	1.5	45
77	Lower hybrid drift instability at a dipolarization front. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1124-1132.	0.8	55
78	Evolution of the lower hybrid drift instability at reconnection jet front. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2675-2690.	0.8	70
79	Dawn-dusk scale of dipolarization front in the Earth's magnetotail: multi-cases study. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	0.5	23
80	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Science Reviews</i> , 2015, 192, 145-208.	3.7	54
81	Modification of the Hall physics in magnetic reconnection due to cold ions at the Earth's magnetopause. <i>Geophysical Research Letters</i> , 2015, 42, 6146-6154.	1.5	47
82	Waves in high-speed plasmoids in the magnetosheath and at the magnetopause. <i>Annales Geophysicae</i> , 2014, 32, 991-1009.	0.6	37
83	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
84	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
85	Electron Dynamics in the Diffusion Region of an Asymmetric Magnetic Reconnection. <i>Physical Review Letters</i> , 2014, 112, .	2.9	37
86	Whistler-mode waves inside flux pileup region: Structured or unstructured?. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9089-9100.	0.8	112
87	Oblique reflections in the Mars Express MARSIS data set: Stable density structures in the Martian ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3944-3960.	0.8	41
88	Whistler mode waves at magnetotail dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2605-2611.	0.8	51
89	In-flight calibration of double-probe electric field measurements on Cluster. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2014, 3, 143-151.	0.6	13
90	Energetic electron acceleration by unsteady magnetic reconnection. <i>Nature Physics</i> , 2013, 9, 426-430.	6.5	215

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91	Transport of cold ions from the polar ionosphere to the plasma sheet. Journal of Geophysical Research: Space Physics, 2013, 118, 5467-5477.	0.8	32
92	Cold Ion Outflow as a Source of Plasma for the Magnetosphere. Geophysical Monograph Series, 2013, , 341-354.	0.1	8
93	Mapping HF waves in the reconnection diffusion region. Geophysical Research Letters, 2013, 40, 1032-1037.	1.5	49
94	Multiple bidirectional EMIC waves observed by Cluster at middle magnetic latitudes in the dayside magnetosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 6266-6278.	0.8	36
95	Determination of local plasma densities with the MARSIS radar: Asymmetries in the high altitude Martian ionosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 6228-6242.	0.8	38
96	The evolution of flux pileup regions in the plasma sheet: Cluster observations. Journal of Geophysical Research: Space Physics, 2013, 118, 6279-6290.	0.8	24
97	Hot and cold ion outflow: Observations and implications for numerical models. Journal of Geophysical Research: Space Physics, 2013, 118, 105-117.	0.8	29
98	Dipolarization fronts as a consequence of transient reconnection: In situ evidence. Geophysical Research Letters, 2013, 40, 6023-6027.	1.5	168
99	Recent Developments of Ion Acceleration in the Auroral Zone. Geophysical Monograph Series, 2013, , 115-128.	0.1	0
100	Plasma penetration of the dayside magnetopause. Physics of Plasmas, 2012, 19, .	0.7	33
101	Hot and cold ion outflow: Spatial distribution of ion heating. Journal of Geophysical Research, 2012, 117, .	3.3	48
102	Pitch angle distribution of suprathermal electrons behind dipolarization fronts: A statistical overview. Journal of Geophysical Research, 2012, 117, .	3.3	136
103	Electron acceleration in the reconnection diffusion region: Cluster observations. Geophysical Research Letters, 2012, 39, .	1.5	95
104	Asymmetry in the current sheet and secondary magnetic flux ropes during guide field magnetic reconnection. Journal of Geophysical Research, 2012, 117, .	3.3	40
105	On the ionospheric source region of cold ion outflow. Geophysical Research Letters, 2012, 39, .	1.5	45
106	Low energy ions: A previously hidden solar system particle population. Geophysical Research Letters, 2012, 39, .	1.5	128
107	Electric structure of dipolarization front at sub proton scale. Geophysical Research Letters, 2012, 39, .	1.5	160
108	Observations of turbulence within reconnection jet in the presence of guide field. Geophysical Research Letters, 2012, 39, .	1.5	78

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109	Occurrence rate of earthward-propagating dipolarization fronts. Geophysical Research Letters, 2012, 39, .	1.5	141
110	Estimating the capture and loss of cold plasma from ionospheric outflow. Journal of Geophysical Research, 2012, 117, .	3.3	52
111	Lower Hybrid Drift Waves: Space Observations. Physical Review Letters, 2012, 109, 055001.	2.9	91
112	The role of the inner tail to midtail plasma sheet in channeling solar wind power to the ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	19
113	Crater-flux transfer events: Highroad to the X line?. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	16
114	Midnight sector observations of auroral omega bands. Journal of Geophysical Research, 2011, 116, .	3.3	18
115	Energy conversion regions as observed by Cluster in the plasma sheet. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	31
116	Fermi and betatron acceleration of suprathermal electrons behind dipolarization fronts. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	299
117	Dusty plasma in the vicinity of Enceladus. Journal of Geophysical Research, 2011, 116, .	3.3	89
118	Statistical evidence for O ⁺ energization and outflow caused by wave-particle interaction in the high altitude cusp and mantle. Annales Geophysicae, 2011, 29, 945-954.	0.6	26
119	Plasma Jet Braking: Energy Dissipation and Nonadiabatic Electrons. Physical Review Letters, 2011, 106, 165001.	2.9	193
120	Observations of Slow Electron Holes at a Magnetic Reconnection Site. Physical Review Letters, 2010, 105, 165002.	2.9	106
121	The Alfvén edge in asymmetric reconnection. Annales Geophysicae, 2010, 28, 1327-1331.	0.6	9
122	Oxygen energization by localized perpendicular electric fields at the cusp boundary. Geophysical Research Letters, 2010, 37, .	1.5	17
123	Magnetic reconnection and cold plasma at the magnetopause. Geophysical Research Letters, 2010, 37, .	1.5	35
124	Survey of cold ionospheric outflows in the magnetotail. Annales Geophysicae, 2009, 27, 3185-3201.	0.6	92
125	Evolution of dipolarization in the near-Earth current sheet induced by Earthward rapid flux transport. Annales Geophysicae, 2009, 27, 1743-1754.	0.6	129
126	Observation of the lower hybrid waves near the three-dimensional null pair. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 626-630.	0.2	3

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127	Earth's ionospheric outflow dominated by hidden cold plasma. <i>Nature Geoscience</i> , 2009, 2, 24-27.	5.4	97
128	Kelvin-Helmholtz waves at the Earth's magnetopause: Multiscale development and associated reconnection. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	119
129	Dynamics and waves near multiple magnetic null points in reconnection diffusion region. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	37
130	Magnetic turbulence in space plasmas: Scale-dependent effects of anisotropy. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	31
131	Separatrix regions of magnetic reconnection at the magnetopause. <i>Annales Geophysicae</i> , 2009, 27, 4039-4056.	0.6	31
132	High energy jets in the Earth's magnetosheath: Implications for plasma dynamics and anomalous transport. <i>JETP Letters</i> , 2008, 87, 593-599.	0.4	61
133	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
134	Observations of an active thin current sheet. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
135	Cluster observations of an ion-scale current sheet in the magnetotail under the presence of a guide field. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	80
136	Response of the inner magnetosphere and the plasma sheet to a sudden impulse. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	31
137	Cluster observations of energetic electrons and electromagnetic fields within a reconnecting thin current sheet in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	109
138	Energy input from the exterior cusp into the ionosphere: Correlated ground-based and satellite observations. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	11
139	Source of whistler emissions at the dayside magnetopause. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	44
140	In situ evidence of magnetic reconnection in turbulent plasma. <i>Nature Physics</i> , 2007, 3, 235-238.	6.5	333
141	RPC-LAP: The Rosetta Langmuir Probe Instrument. <i>Space Science Reviews</i> , 2007, 128, 729-744.	3.7	116
142	Internal structure and spatial dimensions of whistler wave regions in the magnetopause boundary layer. <i>Annales Geophysicae</i> , 2007, 25, 2439-2451.	0.6	12
143	Structure of the separatrix region close to a magnetic reconnection X-line: Cluster observations. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	88
144	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

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145	Alfvén vortex filaments observed in magnetosheath downstream of a quasi-perpendicular bow shock. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	92
146	Electric field measurements on Cluster: comparing the double-probe and electron drift techniques. <i>Annales Geophysicae</i> , 2006, 24, 275-289.	0.6	64
147	Microphysics of Magnetic Reconnection. <i>Space Science Reviews</i> , 2006, 122, 19-27.	3.7	31
148	Formation of Inner Structure of a Reconnection Separatrix Region. <i>Physical Review Letters</i> , 2006, 97, 205003.	2.9	83
149	The electric potential at the Earth's quasi-parallel bow shock: Initial Cluster results. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	1
150	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
151	Cluster observations of an intense normal component of the electric field at a thin reconnecting current sheet in the tail and its role in the shock-like acceleration of the ion fluid into the separatrix region. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	249
152	Interferometric identification of ion acoustic broadband waves in the auroral region: CLUSTER observations. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	4
153	The inner magnetosphere of Saturn: Cassini RPWS cold plasma results from the first encounter. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	67
154	Ion sound wave packets at the quasiperpendicular shock front. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	38
155	The k-filtering technique applied to wave electric and magnetic field measurements from the Cluster satellites. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	33
156	Cluster multispacecraft observations at the high-latitude duskside magnetopause: implications for continuous and component magnetic reconnection. <i>Annales Geophysicae</i> , 2005, 23, 461-473.	0.6	46
157	Cluster observations of high-frequency waves in the exterior cusp. <i>Annales Geophysicae</i> , 2004, 22, 2403-2411.	0.6	22
158	Structure of the Magnetic Reconnection Diffusion Region from Four-Spacecraft Observations. <i>Physical Review Letters</i> , 2004, 93, 105001.	2.9	193
159	The Swedish Small Satellite Program for Space Plasma Investigations. <i>Space Science Reviews</i> , 2004, 111, 377-413.	3.7	10
160	Thin electron-scale layers at the magnetopause. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	68
161	Cluster observations of lower hybrid turbulence within thin layers at the magnetopause. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	92
162	Case studies of the dynamics of ionospheric ions in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	58

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163	Cluster observations in the magnetotail during sudden and quasiperiodic solar wind variations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	19
164	Global control of merging by the interplanetary magnetic field: Cluster observations of dawnside flank magnetopause reconnection. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	10
165	Solitary structures associated with short large-amplitude magnetic structures (SLAMS) upstream of the Earth's quasi-parallel bow shock. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	41
166	Correlation between suprathermal electron bursts, broadband extremely low frequency waves, and local ion heating in the midaltitude cleft/low-latitude boundary layer observed by Cluster. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	18
167	Multi-point electric field measurements of Short Large-Amplitude Magnetic Structures (SLAMS) at the Earth's quasi-parallel bow shock. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	27
168	What high altitude observations tell us about the auroral acceleration: A Cluster/DMSPP conjunction. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	27
169	Observations of auroral broadband emissions by CLUSTER. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	22
170	Current sheet flapping motion and structure observed by Cluster. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	196
171	Bow shock motions observed with CLUSTER. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	23
172	Lower hybrid cavities in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	29
173	Minimum variance free wave identification: Application to Cluster electric field data in the magnetosheath. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	30
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