

Martin Volwerk

List of Publications by Year in descending order

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174
papers

6,859
citations

61857

43
h-index

74018

75
g-index

204
all docs

204
docs citations

204
times ranked

2850
citing authors

#	ARTICLE	IF	CITATIONS
1	Cometary plasma science. <i>Experimental Astronomy</i> , 2022, 54, 1129-1167.	1.6	3
2	Multi-scale observations of the magnetopause Kelvin-Helmholtz waves during southward IMF. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	12
3	Making Waves: Mirror Mode Structures Around Mars Observed by the MAVEN Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	5
4	A Fast Bow Shock Location Predictor-Estimator From 2D and 3D Analytical Models: Application to Mars and the MAVEN Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	6
5	Electron-scale Current Sheet as the Boundary of a Linear Magnetic Hole in the Terrestrial Current Sheet Observed by the Magnetospheric Multiscale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	5
6	LatHyS global hybrid simulation of the BepiColombo second Venus flyby. <i>Planetary and Space Science</i> , 2022, 218, 105499.	0.9	2
7	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	25
8	Statistical study of linear magnetic hole structures near Earth. <i>Annales Geophysicae</i> , 2021, 39, 239-253.	0.6	16
9	First Observations of an Ion Vortex in a Magnetic Hole in the Solar Wind by MMS. <i>Astronomical Journal</i> , 2021, 161, 110.	1.9	14
10	Pick-Up Ion Cyclotron Waves Around Mercury. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092606.	1.5	8
11	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	45
12	Field-Aligned Currents Originating From the Chaotic Motion of Electrons in the Tilted Current Sheet: MMS Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL088841.	1.5	7
13	Magnetic Holes in the Solar Wind and Magnetosheath Near Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028961.	0.8	18
14	Solar Orbiter's first Venus flyby: Observations from the Radio and Plasma Wave instrument. <i>Astronomy and Astrophysics</i> , 2021, 656, A18.	2.1	14
15	Magnetosheath plasma flow model around Mercury. <i>Annales Geophysicae</i> , 2021, 39, 563-570.	0.6	4
16	Electron-scale Magnetic Peaks Upstream of the Terrestrial Bow Shock Observed by the Magnetospheric Multiscale Mission. <i>Astrophysical Journal</i> , 2021, 914, 101.	1.6	7
17	Foreshock as a Source Region of Electron-scale Magnetic Holes in the Solar Wind at 1 au. <i>Astrophysical Journal</i> , 2021, 915, 3.	1.6	11
18	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. <i>Annales Geophysicae</i> , 2021, 39, 811-831.	0.6	3

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19	A Study of the Solar Wind Ion and Electron Measurements From the Magnetospheric Multiscale Mission's Fast Plasma Investigation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029784.	0.8	7
20	Statistical Properties of Electron-scale Magnetic Peaks in the Solar Wind at 1 au. <i>Astrophysical Journal</i> , 2021, 921, 152.	1.6	4
21	Statistical Study of Small-scale Magnetic Holes in the Upstream Regime of the Martian Bow Shock. <i>Astrophysical Journal</i> , 2021, 921, 153.	1.6	6
22	Statistical Properties of Sub-ion Magnetic Holes in the Solar Wind at 1 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028320.	0.8	18
23	Study of the Electron Velocity Inside Sub-ion Scale Magnetic Holes in the Solar Wind by MMS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028386.	0.8	15
24	The BepiColombo Mission Magnetometer en Route to Mercury. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	19
25	Joint Europa Mission (JEM): a multi-scale study of Europa to characterize its habitability and search for extant life. <i>Planetary and Space Science</i> , 2020, 193, 104960.	0.9	15
26	Roles of electrons and ions in formation of the current in mirror-mode structures in the terrestrial plasma sheet: Magnetospheric Multiscale observations. <i>Annales Geophysicae</i> , 2020, 38, 309-318.	0.6	15
27	On the magnetic characteristics of magnetic holes in the solar wind between Mercury and Venus. <i>Annales Geophysicae</i> , 2020, 38, 51-60.	0.6	26
28	Three-dimensional Geometry of the Electron-scale Magnetic Hole in the Solar Wind. <i>Astrophysical Journal Letters</i> , 2020, 904, L11.	3.0	15
29	Magnetometer in-flight offset accuracy for the BepiColombo spacecraft. <i>Annales Geophysicae</i> , 2020, 38, 823-832.	0.6	7
30	Unusually high magnetic fields in the coma of 67P/Churyumov-Gerasimenko during its high-activity phase. <i>Astronomy and Astrophysics</i> , 2019, 630, A38.	2.1	10
31	A Statistical Study on the Properties of Dips Ahead of Dipolarization Fronts Observed by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 139-150.	0.8	20
32	Oscillatory Flows in the Magnetotail Plasma Sheet: Cluster Observations of the Distribution Function. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2736-2754.	0.8	1
33	Properties of the singing comet waves in the 67P/Churyumov-Gerasimenko plasma environment as observed by the Rosetta mission. <i>Astronomy and Astrophysics</i> , 2019, 630, A39.	2.1	14
34	Oxygen Ion Flow Reversals in Earth's Magnetotail: A Cluster Statistical Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8928-8942.	0.8	0
35	Solar wind charge exchange in cometary atmospheres. <i>Astronomy and Astrophysics</i> , 2019, 630, A37.	2.1	21
36	Dipolarization Fronts: Tangential Discontinuities? On the Spatial Range of Validity of the MHD Jump Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9963-9975.	0.8	10

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37	Solar Wind Directional Change Triggering Flapping Motions of the Current Sheet: MMS Observations. <i>Geophysical Research Letters</i> , 2019, 46, 64-70.	1.5	25
38	Dynamic field line draping at comet 67P/Churyumov-Gerasimenko during the Rosetta dayside excursion. <i>Astronomy and Astrophysics</i> , 2019, 630, A44.	2.1	4
39	On the location of the Io plasma torus: Voyager-1 observations. <i>Annales Geophysicae</i> , 2018, 36, 831-839.	0.6	3
40	First observations of magnetic holes deep within the coma of a comet. <i>Astronomy and Astrophysics</i> , 2018, 618, A114.	2.1	24
41	A tail like no other. <i>Astronomy and Astrophysics</i> , 2018, 614, A10.	2.1	10
42	High-latitude Pi2 pulsations associated with kink-like neutral sheet oscillations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2889-2899.	0.8	17
43	Current sheets in comet 67P/Churyumov-Gerasimenko's coma. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3308-3321.	0.8	11
44	Fluxgate magnetometer offset vector determination by the 3D mirror mode method. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S675-S684.	1.6	17
45	Evolution of the magnetic field at comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S268-S275.	1.6	32
46	Hybrid Simulations of Positively and Negatively Charged Pickup Ions and Cyclotron Wave Generation at Europa. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10408-10420.	0.8	12
47	The distribution of oscillation frequency of magnetic field and plasma parameters in BBFs: THEMIS statistics. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4325-4334.	0.8	2
48	Electron-Scale Quadrants of the Hall Magnetic Field Observed by the Magnetospheric Multiscale spacecraft during Asymmetric Reconnection. <i>Physical Review Letters</i> , 2017, 118, 175101.	2.9	64
49	Low-frequency oscillatory flow signatures and high-speed flows in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7042-7056.	0.8	8
50	Asymmetries in the Magnetosheath Field Draping on Venus' Nightside. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,396.	0.8	8
51	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. <i>Annales Geophysicae</i> , 2017, 35, 1015-1022.	0.6	6
52	Mass-loading, pile-up, and mirror-mode waves at comet 67P/Churyumov-Gerasimenko. <i>Annales Geophysicae</i> , 2016, 34, 1-15.	0.6	46
53	Two-point observations of low-frequency waves at 67P/Churyumov-Gerasimenko during the descent of PHILAE: comparison of RPCMAG and ROMAP. <i>Annales Geophysicae</i> , 2016, 34, 609-622.	0.6	34
54	RPC observation of the development and evolution of plasma interaction boundaries at 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S9-S22.	1.6	62

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55	First detection of a diamagnetic cavity at comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 588, A24.	2.1	95
56	The distribution of spectral index of magnetic field and ion velocity in Pi2 frequency band in BBFs: THEMIS statistics. <i>Advances in Space Research</i> , 2016, 58, 847-855.	1.2	2
57	Mirror mode structures ahead of dipolarization front near the neutral sheet observed by Cluster. <i>Geophysical Research Letters</i> , 2016, 43, 8853-8858.	1.5	28
58	Current sheet flapping motions in the tailward flow of magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7817-7827.	0.8	11
59	Statistical study on ultralow-frequency waves in the magnetotail lobe observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5319-5332.	0.8	6
60	A comparative study of dipolarization fronts at MMS and Cluster. <i>Geophysical Research Letters</i> , 2016, 43, 6012-6019.	1.5	37
61	CME impact on comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S45-S56.	1.6	42
62	Structure and evolution of the diamagnetic cavity at comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S459-S467.	1.6	79
63	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. <i>Nature Physics</i> , 2016, 12, 268-271.	6.5	35
64	Mirror mode waves in Venus's magnetosheath: solar minimum vs. solar maximum. <i>Annales Geophysicae</i> , 2016, 34, 1099-1108.	0.6	29
65	Two states of magnetotail dipolarization fronts: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1096-1108.	0.8	29
66	Spatial distribution of low-energy plasma around comet 67P/CG from Rosetta measurements. <i>Geophysical Research Letters</i> , 2015, 42, 4263-4269.	1.5	74
67	Atmospheric Drag, Occultation and Ionospheric Scintillation (ADONIS) mission proposal. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A2.	1.1	0
68	Observation of a new type of low-frequency waves at comet 67P/Churyumov-Gerasimenko. <i>Annales Geophysicae</i> , 2015, 33, 1031-1036.	0.6	66
69	In situ observations of multistage electron acceleration driven by magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6320-6331.	0.8	28
70	Evolution of the ion environment of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A20.	2.1	76
71	Upstream proton cyclotron waves at Venus near solar maximum. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 344-354.	0.8	30
72	Birth of a comet magnetosphere: A spring of water ions. <i>Science</i> , 2015, 347, aaa0571.	6.0	107

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73	A statistical analysis of Pi2-band waves in the plasma sheet and their relation to magnetospheric drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6167-6175.	0.8	21
74	Mirror mode structures near Venus and Comet P/Halley. <i>Annales Geophysicae</i> , 2014, 32, 651-657.	0.6	33
75	A comparison between VEGA 1, 2 and Giotto flybys of comet 1P/Halley: implications for Rosetta. <i>Annales Geophysicae</i> , 2014, 32, 1441-1453.	0.6	16
76	Observation of double layer in the separatrix region during magnetic reconnection. <i>Geophysical Research Letters</i> , 2014, 41, 4851-4858.	1.5	48
77	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. <i>Space Science Reviews</i> , 2014, 182, 85-154.	3.7	41
78	Magnetic pileup boundary and field draping at Comet Halley. <i>Planetary and Space Science</i> , 2014, 96, 125-132.	0.9	7
79	Neptune and Triton: Essential pieces of the Solar System puzzle. <i>Planetary and Space Science</i> , 2014, 104, 108-121.	0.9	34
80	Flapping current sheet with superposed waves seen in space and on the ground. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,078.	0.8	22
81	The proton temperature anisotropy associated with bursty bulk flows in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4875-4883.	0.8	12
82	A statistical study of electron acceleration behind the dipolarization fronts in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4804-4810.	0.8	74
83	Comparative magnetotail flapping: an overview of selected events at Earth, Jupiter and Saturn. <i>Annales Geophysicae</i> , 2013, 31, 817-833.	0.6	32
84	ULF waves in Ganymede's upstream magnetosphere. <i>Annales Geophysicae</i> , 2013, 31, 45-59.	0.6	6
85	Three-dimensional magnetic flux rope structure formed by multiple sequential X-line reconnection at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1904-1911.	0.8	48
86	Observation of multiple sub-cavities adjacent to single separatrix. <i>Geophysical Research Letters</i> , 2013, 40, 2511-2517.	1.5	27
87	Flow bouncing and electron injection observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2055-2072.	0.8	38
88	Ion cyclotron waves during the Rosetta approach phase: a magnetic estimate of cometary outgassing. <i>Annales Geophysicae</i> , 2013, 31, 2201-2206.	0.6	6
89	Corrigendum to "Ion cyclotron waves during the Rosetta approach phase: a magnetic estimate of cometary outgassing"; published in <i>Ann. Geophys.</i> , 31, 2201-2206, 2013. <i>Annales Geophysicae</i> , 2013, 31, 2213-2213.	0.6	2
90	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. <i>Annales Geophysicae</i> , 2012, 30, 1025-1035.	0.6	59

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91	Proton cyclotron wave generation mechanisms upstream of Venus. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	26
92	Fast tailward flows in the plasma sheet boundary layer during a substorm on 9 March 2008: THEMIS observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
93	Magnetopause reconnection across wide local time. <i>Annales Geophysicae</i> , 2011, 29, 1683-1697.	0.6	57
94	A statistical and event study of magnetotail dipolarization fronts. <i>Annales Geophysicae</i> , 2011, 29, 1537-1547.	0.6	128
95	Interplanetary magnetic field rotations followed from L1 to the ground: the response of the Earth's magnetosphere as seen by multi-spacecraft and ground-based observations. <i>Annales Geophysicae</i> , 2011, 29, 1549-1569.	0.6	7
96	Is current disruption associated with an inverse cascade?. <i>Nonlinear Processes in Geophysics</i> , 2010, 17, 287-292.	0.6	4
97	Corrigendum to "Substorm activity in Venus's magnetotail" published in <i>Ann. Geophys.</i> , 27, 2321-2330, doi:10.5194/angeo-27-2321-2009, 2009. <i>Annales Geophysicae</i> , 2010, 28, 1877-1878.	0.6	5
98	Ion pick-up near the icy Galilean satellites. , 2010, , .		6
99	Multiple overshoot and rebound of a bursty bulk flow. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	153
100	Statistical study of low-frequency magnetic field fluctuations near Venus under the different interplanetary magnetic field orientations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
101	Plasma sheet thickness during a bursty bulk flow reversal. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	60
102	Cluster and Double Star multipoint observations of a plasma bubble. <i>Annales Geophysicae</i> , 2009, 27, 725-743.	0.6	54
103	Substorm activity in Venus's magnetotail. <i>Annales Geophysicae</i> , 2009, 27, 2321-2330.	0.6	18
104	Mirror waves and mode transition observed in the magnetosheath by Double Star TC-1. <i>Annales Geophysicae</i> , 2009, 27, 351-355.	0.6	4
105	Observations of plasma vortices in the vicinity of flow-braking: a case study. <i>Annales Geophysicae</i> , 2009, 27, 3009-3017.	0.6	28
106	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
107	Magnetosheath fluctuations at Venus for two extreme orientations of the interplanetary magnetic field. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	14
108	Mirror mode structures in the solar wind at 0.72 AU. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	43

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109	Hydrogen in the extended Venus exosphere. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	21
110	Initial Venus Express magnetic field observations of the Venus bow shock location at solar minimum. <i>Planetary and Space Science</i> , 2008, 56, 785-789.	0.9	71
111	Initial Venus Express magnetic field observations of the magnetic barrier at solar minimum. <i>Planetary and Space Science</i> , 2008, 56, 790-795.	0.9	61
112	Upstream proton cyclotron waves at Venus. <i>Planetary and Space Science</i> , 2008, 56, 1293-1299.	0.9	9
113	Study of waves in the magnetotail region with cluster and DSP. <i>Advances in Space Research</i> , 2008, 41, 1593-1597.	1.2	8
114	Plasma sheet oscillations and their relation to substorm development: Cluster and double star TC1 case study. <i>Advances in Space Research</i> , 2008, 41, 1585-1592.	1.2	3
115	First upstream proton cyclotron wave observations at Venus. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	42
116	Study of reconnection-associated multiscale fluctuations with Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	8
117	Magnetotail dipolarization and associated current systems observed by Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	14
118	Near-Earth substorm features from multiple satellite observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26
119	Local field-aligned currents in the magnetotail and ionosphere as observed by a Cluster, Double Star, and MIRACLE conjunction. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	10
120	Response of the inner magnetosphere and the plasma sheet to a sudden impulse. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	31
121	First identification of mirror mode waves in Venus' magnetosheath?. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	50
122	Characteristic size and shape of the mirror mode structures in the solar wind at 0.72 AU. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	83
123	Magnetic fluctuations and turbulence in the Venus magnetosheath and wake. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	20
124	Behavior of current sheets at directional magnetic discontinuities in the solar wind at 0.72 AU. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	31
125	Proton cyclotron waves in the solar wind at Venus. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	33
126	Mirror-mode-like structures in Venus' induced magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44

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127	Intermittent turbulence, noisy fluctuations, and wavy structures in the Venusian magnetosheath and wake. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
128	Induced magnetosphere and its outer boundary at Venus. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44
129	Tailward propagation of Pi2 waves in the Earth's magnetotail lobe. <i>Annales Geophysicae</i> , 2008, 26, 4023-4030.	0.6	8
130	Structure of the near-Earth plasma sheet during tailward flows. <i>Annales Geophysicae</i> , 2008, 26, 709-724.	0.6	4
131	Flow burst-induced Kelvin-Helmholtz waves in the terrestrial magnetotail. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	33
132	Europa's Alfvén wing: shrinkage and displacement influenced by an induced magnetic field. <i>Annales Geophysicae</i> , 2007, 25, 905-914.	0.6	25
133	Spectral scaling in the turbulent Earth's plasma sheet revisited. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 535-541.	0.6	30
134	Little or no solar wind enters Venus's atmosphere at solar minimum. <i>Nature</i> , 2007, 450, 654-656.	13.7	79
135	Spatial structure of plasma flow associated turbulence in the Earth's plasma sheet. <i>Annales Geophysicae</i> , 2007, 25, 13-17.	0.6	16
136	Multi-satellite observations of ULF waves. <i>Geophysical Monograph Series</i> , 2006, , 109-135.	0.1	11
137	Local structure of the magnetotail current sheet: 2001 Cluster observations. <i>Annales Geophysicae</i> , 2006, 24, 247-262.	0.6	220
138	Do BBFs contribute to inner magnetosphere dipolarizations: Concurrent Cluster and Double Star observations. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	50
139	A statistical survey of the magnetotail current sheet. <i>Advances in Space Research</i> , 2006, 38, 1834-1837.	1.2	16
140	Bursty Bulk Flow Driven Turbulence in the Earth's Plasma Sheet. <i>Space Science Reviews</i> , 2006, 122, 301-311.	3.7	47
141	Alfvén waves in the near-PSBL lobe: Cluster observations. <i>Annales Geophysicae</i> , 2006, 24, 1001-1013.	0.6	13
142	Neutral sheet normal direction determination. <i>Advances in Space Research</i> , 2005, 36, 1940-1945.	1.2	13
143	Reconstruction of the magnetotail current sheet structure using multi-point Cluster measurements. <i>Planetary and Space Science</i> , 2005, 53, 237-243.	0.9	74
144	Multi-point observation of the high-speed flows in the plasma sheet. <i>Advances in Space Research</i> , 2005, 36, 1444-1447.	1.2	17

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145	Dissipation scales in the Earth's plasma sheet estimated from Cluster measurements. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 725-732.	0.6	22
146	Electric current and magnetic field geometry in flapping magnetotail current sheets. <i>Annales Geophysicae</i> , 2005, 23, 1391-1403.	0.6	171
147	Double Star/Cluster observation of neutral sheet oscillations on 5 August 2004. <i>Annales Geophysicae</i> , 2005, 23, 2909-2914.	0.6	58
148	Plasma flow channels with ULF waves observed by Cluster and Double Star. <i>Annales Geophysicae</i> , 2005, 23, 2929-2935.	0.6	27
149	Cluster and Double Star observations of dipolarization. <i>Annales Geophysicae</i> , 2005, 23, 2915-2920.	0.6	19
150	Compressional waves in the Earth's neutral sheet. <i>Annales Geophysicae</i> , 2004, 22, 303-315.	0.6	27
151	Multi-scale analysis of turbulence in the Earth's current sheet. <i>Annales Geophysicae</i> , 2004, 22, 2525-2533.	0.6	19
152	Properties of a bifurcated current sheet observed on 29 August 2001. <i>Annales Geophysicae</i> , 2004, 22, 2535-2540.	0.6	24
153	Wavelet analysis of magnetic turbulence in the Earth's plasma sheet. <i>Physics of Plasmas</i> , 2004, 11, 1333-1338.	0.7	34
154	Spatial scale of high-speed flows in the plasma sheet observed by Cluster. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	291
155	Magnetic turbulence in the plasma sheet. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	83
156	Flow burst-induced large-scale plasma sheet oscillation. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	25
157	Cluster observation of a bifurcated current sheet. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	142
158	Kink mode oscillation of the current sheet. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	39
159	Current sheet flapping motion and structure observed by Cluster. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	196
160	Current sheet structure near magnetic X-line observed by Cluster. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	240
161	A statistical study of compressional waves in the tail current sheet. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	37
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