Karl-Heinz GlaÃmeier

List of Publications by Year
in descending order

262 papers	10,452 citations	36203 51 h-index	48187 88 g-index
265 all docs	265 docs citations	265 times ranked	4221 citing authors

#	Article	IF	Citations
1	The Wave Telescope Technique. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	8
2	Reconstruction of Mercury's internal magnetic field beyond the octupole. Annales Geophysicae, 2022, 40, 91-105.	0.6	2
3	On the anthropogenic and natural injection of matter into Earthâ€™s atmosphere. Advances in Space Research, 2021, 67, 1002-1025.	1.2	12
4	Electrostatic Waves and Electron Heating Observed Over Lunar Crustal Magnetic Anomalies. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028880.	0.8	6
5	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. Space Science Reviews, 2021, 217, 1.	3.7	45
6	Warm protons at comet 67P/Churyumovâ€“Gerasimenko â€“ implications for the infant bow shock. Annales Geophysicae, 2021, 39, 379-396.	0.6	9
7	The MASCOT lander aboard Hayabusa2: The in-situ exploration of NEA (162173) Ryugu. Planetary and Space Science, 2021, 200, 105200.	0.9	18
8	Steepening of magnetosonic waves in the inner coma of comet 67P/Churyumovâ€“Gerasimenko. Annales Geophysicae, 2021, 39, 721-742.	0.6	6
9	Pattern recognition in time series for space missions: A rosetta magnetic field case study. Acta Astronautica, 2020, 168, 123-129.	1.7	3
10	Plasma Convection in the Terrestrial Magnetotail Lobes Measured Near the Moon's Orbit. Geophysical Research Letters, 2020, 47, e2020GL090217.	1.5	6
11	Investigating Mercuryâ€™s Environment with the Two-Spacecraft BepiColombo Mission. Space Science Reviews, 2020, 216, 1.	3.7	71
12	The BepiColomboâ€“Mio Magnetometer en Route to Mercury. Space Science Reviews, 2020, 216, 1.	3.7	19
13	The Philae lander reveals low-strength primitive ice inside cometary boulders. Nature, 2020, 586, 697-701.	13.7	40
14	Solar system exploration via comparative planetology. Nature Communications, 2020, 11, 4288.	5.8	4
15	Solar Wind and Interplanetary Magnetic Field Influence on Ultralow Frequency Waves and Reflected Ions Near the Moon. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027209.	0.8	3
16	In Situ Observations of the Formation of Periodic Collisionless Plasma Shocks from Fast Mode Waves. Astrophysical Journal Letters, 2020, 888, L17.	3.0	14
17	The Acceleration of Lunar Ions by Magnetic Forces in the Terrestrial Magnetotail Lobes. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027829.	0.8	8
18	Implications of Philae Magnetometry Measurements at Comet 67P/Churyumovâ€“Gerasimenko for the Nebular Field of the Outer Solar System. Astrophysical Journal, 2019, 875, 39.	1.6	7

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19	Statistical analysis of magnetopause crossings at lunar distances. Annales Geophysicae, 2019, 37, 163-169.	0.6	3
20	AlfvÃ©n Wave Generation by a Compact Source Moving on the Magnetopause: Asymptotic Solution. Journal of Geophysical Research: Space Physics, 2019, 124, 2720-2735.	0.8	6
21	Dynamic field line draping at comet 67P/Churyumov-Gerasimenko during the Rosetta dayside excursion. Astronomy and Astrophysics, 2019, 630, A44.	2.1	4
22	Simulations of stellar winds and planetary bodies: Magnetized obstacles in a super-AlfvÃ©nic flow with southward IMF. Planetary and Space Science, 2018, 152, 18-30.	0.9	4
23	A Review of AlfvÃ©nic Turbulence in Highâ€Speed Solar Wind Streams: Hints From Cometary Plasma Turbulence. Journal of Geophysical Research: Space Physics, 2018, 123, 2458-2492.	0.8	51
24	Statistical Study of Phase Relationship Between Magnetic and Plasma Pressures in the Nearâ€Earth Nightside Magnetosphere Using the THEMISâ€E Satellite. Journal of Geophysical Research: Space Physics, 2018, 123, 9517-9531.	0.8	4
25	Statistical survey of day-side magnetospheric current flow using Cluster observations: bow shock. Annales Geophysicae, 2018, 36, 1073-1080.	0.6	3
26	A tail like no other. Astronomy and Astrophysics, 2018, 614, A10.	2.1	10
27	The MASCOT Magnetometer. Space Science Reviews, 2017, 208, 433-449.	3.7	41
28	On the in-situ detectability of Europa's water vapour plumes from a flyby mission. Icarus, 2017, 289, 270-280.	1.1	10
29	Simulations of stellar winds and planetary bodies: Ionosphere-rich obstacles in a super-AlfvÃ©nic flow. Planetary and Space Science, 2017, 137, 64-72.	0.9	6
30	Current sheets in comet 67P/Churyumovâ€Gerasimenko's coma. Journal of Geophysical Research: Space Physics, 2017, 122, 3308-3321.	0.8	11
31	Interaction of the solar wind with comets: a Rosetta perspective. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160256.	1.6	43
32	Ion acoustic waves at comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2017, 600, A3.	2.1	28
33	Stellar winds and planetary bodies simulations: Magnetized obstacles in super-AlfvÃ©nic and sub-AlfvÃ©nic flows. Planetary and Space Science, 2017, 137, 40-51.	0.9	7
34	Reconstruction of the flight and attitude of Rosetta's lander Philae. Acta Astronautica, 2017, 140, 509-516.	1.7	4
35	Identifying Ultra Low Frequency Waves in the Lunar Plasma Environment Using Trajectory Analysis and Resonance Conditions. Journal of Geophysical Research: Space Physics, 2017, 122, 9983-9993.	0.8	4
36	Evolution of the magnetic field at comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S268-S275.	1.6	32

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37	Average plasma sheet polytropic index as observed by THEMIS. Annales Geophysicae, 2017, 35, 253-262.	0.6	2
38	Statistical survey of day-side magnetospheric current flow using Cluster observations: magnetopause. Annales Geophysicae, 2017, 35, 645-657.	0.6	3
39	Estimation of a planetary magnetic field using a reduced magnetohydrodynamic model. Annales Geophysicae, 2017, 35, 465-474.	0.6	0
40	Spin axis offset calibration on THEMIS using mirror modes. Annales Geophysicae, 2017, 35, 117-121.	0.6	4
41	Estimating a planetary magnetic field with time-dependent global MHD simulations using an adjoint approach. Annales Geophysicae, 2017, 35, 613-628.	0.6	0
42	Waveâ€“particle resonance condition test for ion-kinetic waves in the solar wind. Annales Geophysicae, 2016, 34, 393-398.	0.6	4
43	Modified ion-Weibel instability as a possible source of wave activity at Comet 67P/Churyumov-Gerasimenko. Annales Geophysicae, 2016, 34, 691-707.	0.6	25
44	Mass-loading, pile-up, and mirror-mode waves at comet 67P/Churyumov-Gerasimenko. Annales Geophysicae, 2016, 34, 1-15.	0.6	46
45	Two-point observations of low-frequency waves at 67P/Churyumov-Gerasimenko during the descent of PHILAE: comparison of RPCMAG and ROMAP. Annales Geophysicae, 2016, 34, 609-622.	0.6	34
46	Ion Bernstein waves in the magnetic reconnection region. Annales Geophysicae, 2016, 34, 85-89.	0.6	10
47	The influence of resistivity gradients on shock conditions for a Petschek reconnection geometry. Annales Geophysicae, 2016, 34, 421-425.	0.6	0
48	First detection of a diamagnetic cavity at comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2016, 588, A24.	2.1	95
49	Concerning reconnectionâ€induction balance at the magnetopause of Mercury. Journal of Geophysical Research: Space Physics, 2016, 121, 2935-2961.	0.8	32
50	Solar wind interaction with comet 67P: Impacts of corotating interaction regions. Journal of Geophysical Research: Space Physics, 2016, 121, 949-965.	0.8	33
51	Attitude reconstruction of ROSETTA×³s Lander PHILAE using two-point magnetic field observations by ROMAP and RPC-MAG. Acta Astronautica, 2016, 125, 174-182.	1.7	17
52	Wave telescope technique for MMS magnetometer. Geophysical Research Letters, 2016, 43, 4774-4780.	1.5	15
53	Magnetic field pile-up and draping at intermediately active comets: results from comet 67P/Churyumovâ€“Gerasimenko at 2.0ÂAU. Monthly Notices of the Royal Astronomical Society, 2016, 462, S235-S241.	1.6	38
54	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. Astrophysical Journal Letters, 2016, 827, L8.	3.0	49

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55	CME impact on comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S45-S56.	1.6	42
56	Mirror mode waves in Venus's magnetosheath: solar minimum vs. solar maximum. Annales Geophysicae, 2016, 34, 1099-1108.	0.6	29
57	Statistical analysis of magnetotail fast flows and related magnetic disturbances. Annales Geophysicae, 2016, 34, 399-409.	0.6	10
58	Spatial distribution of lowâ€energy plasma around comet 67P/CG from Rosetta measurements. Geophysical Research Letters, 2015, 42, 4263-4269.	1.5	74
59	Multifrequency compressional magnetic field oscillations and their relation to multiharmonic toroidal mode standing AlfvÃ©n waves. Journal of Geophysical Research: Space Physics, 2015, 120, 10,384.	0.8	9
60	Asymmetric ionospheric outflow observed at the dayside magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 3564-3573.	0.8	17
61	A statistical study of fundamental toroidal mode standing AlfvÃ©n waves using THEMIS ion bulk velocity data. Journal of Geophysical Research: Space Physics, 2015, 120, 6474-6495.	0.8	23
62	Observation of a new type of low-frequency waves at comet 67P/Churyumov-Gerasimenko. Annales Geophysicae, 2015, 33, 1031-1036.	0.6	66
63	In situ evidence of breaking the ion frozen-in condition via the non-gyrotropic pressure effect in magnetic reconnection. Annales Geophysicae, 2015, 33, 1147-1153.	0.6	20
64	Solar wind reconstruction from magnetosheath data using an adjoint approach. Annales Geophysicae, 2015, 33, 1513-1524.	0.6	3
65	The nonmagnetic nucleus of comet 67P/Churyumov-Gerasimenko. Science, 2015, 349, aaa5102.	6.0	52
66	Dynamical features and spatial structures of the plasma interaction region of 67P/Churyumovâ€“Gerasimenko and the solar wind. Planetary and Space Science, 2015, 105, 101-116.	0.9	76
67	A comparison between VEGA 1, 2 and Giotto flybys of comet 1P/Halley: implications for Rosetta. Annales Geophysicae, 2014, 32, 1441-1453.	0.6	16
68	MULTI-SPACECRAFT OBSERVATIONS OF LINEAR MODES AND SIDEBAND WAVES IN ION-SCALE SOLAR WIND TURBULENCE. Astrophysical Journal Letters, 2014, 793, L25.	3.0	29
69	Evidence for smallâ€scale collisionless shocks at the Moon from ARTEMIS. Geophysical Research Letters, 2014, 41, 7436-7443.	1.5	33
70	Spatial and temporal dependence of the convective electric field in Saturnâ€™s inner magnetosphere. Icarus, 2014, 229, 57-70.	1.1	32
71	Diamagnetic oscillations ahead of stopped dipolarization fronts. Journal of Geophysical Research: Space Physics, 2014, 119, 1643-1657.	0.8	35
72	Enhancement of ultralow frequency wave amplitudes at the plasmapause. Journal of Geophysical Research: Space Physics, 2014, 119, 9113-9124.	0.8	6

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73	LARGE-AMPLITUDE, CIRCULARLY POLARIZED, COMPRESSIVE, OBLIQUELY PROPAGATING ELECTROMAGNETIC PROTON CYCLOTRON WAVES THROUGHOUT THE EARTH'S MAGNETOSHEATH: LOW PLASMA Î² CONDITIONS. Astrophysical Journal, 2014, 793, 6.	1.6	19
74	Plasma environment of a weak comet â€“ Predictions for Comet 67P/Churyumovâ€“Gerasimenko from multifluid-MHD and Hybrid models. Icarus, 2014, 242, 38-49.	1.1	56
75	Plasma and energetic particle behaviors during asymmetric magnetic reconnection at the magnetopause. Journal of Geophysical Research: Space Physics, 2014, 119, 1658-1672.	0.8	30
76	Interinstrument calibration using magnetic field data from the flux-gate magnetometer (FGM) and electron drift instrument (EDI) onboard Cluster. Geoscientific Instrumentation, Methods and Data Systems, 2014, 3, 1-11.	0.6	17
77	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. Journal of Geophysical Research: Space Physics, 2014, 119, 8087-8116.	0.8	125
78	Period and damping factor of Pi2 pulsations during oscillatory flow braking in the magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 4512-4520.	0.8	20
79	On the increasing oscillation period of flows at the tailward retreating flux pileup region during dipolarization. Journal of Geophysical Research: Space Physics, 2014, 119, 6603-6611.	0.8	10
80	On the influence of open magnetic flux on substorm intensity: Groundâ€•and spaceâ€based observations. Journal of Geophysical Research: Space Physics, 2013, 118, 2958-2969.	0.8	35
81	Stellar winds and planetary bodies simulations: Lunar type interaction in super-AlfvÃ©nic and sub-AlfvÃ©nic flows. Planetary and Space Science, 2013, 84, 37-47.	0.9	21
82	Revisiting cometary bow shock positions. Planetary and Space Science, 2013, 87, 85-95.	0.9	61
83	Plasma sheet magnetic fields and flows during steady magnetospheric convection events. Journal of Geophysical Research: Space Physics, 2013, 118, 6136-6144.	0.8	9
84	Ionospheric response to oscillatory flow braking in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 1529-1544.	0.8	25
85	SLAMS at comet 19P/Borrelly: DS1 observations. Planetary and Space Science, 2013, 75, 17-27.	0.9	12
86	Multispacecraft observations of fundamental poloidal waves without ground magnetic signatures. Journal of Geophysical Research: Space Physics, 2013, 118, 4319-4334.	0.8	31
87	A new method for solving the MHD equations in the magnetosheath. Annales Geophysicae, 2013, 31, 419-437.	0.6	13
88	Dispersion relation analysis of turbulent magnetic field fluctuations in fast solar wind. Annales Geophysicae, 2013, 31, 1949-1955.	0.6	31
89	The effects of reflected protons on the plasma environment of the moon for parallel interplanetary magnetic fields. Geophysical Research Letters, 2013, 40, 4544-4548.	1.5	29
90	Doppler shift and broadening in solar wind turbulence. Earth, Planets and Space, 2013, 65, e5-e8.	0.9	6

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91	Magnetopause surface waves: THEMIS observations compared to MHD theory. Journal of Geophysical Research: Space Physics, 2013, 118, 1483-1499.	0.8	23
92	Ion cyclotron waves during the Rosetta approach phase: a magnetic estimate of cometary outgassing. Annales Geophysicae, 2013, 31, 2201-2206.	0.6	6
93	Remote estimation of reconnection parameters in the Earth's magnetotail: model and observations. Annales Geophysicae, 2012, 30, 1727-1741.	0.6	5
94	Spatio-temporal structure of AlfvÃ©n waves excited by a sudden impulse localized on an L-shell. Annales Geophysicae, 2012, 30, 1099-1106.	0.6	10
95	Low-frequency magnetic field fluctuations in Earth's plasma environment observed by THEMIS. Annales Geophysicae, 2012, 30, 1271-1283.	0.6	7
96	Global magnetospheric response to an interplanetary shock: THEMIS observations. Annales Geophysicae, 2012, 30, 379-387.	0.6	16
97	Cluster observations of bandâ€limited Pc 1 waves associated with streaming H⁺ and O⁺ions in the highâ€altitude plasma mantle. Journal of Geophysical Research, 2012, 117, .	3.3	7
98	A noon-to-midnight electric field and nightside dynamics in Saturnâ€™s inner magnetosphere, using microsignature observations. Icarus, 2012, 220, 503-513.	1.1	44
99	Observations of a Pc5 global (cavity/waveguide) mode outside the plasmasphere by THEMIS. Journal of Geophysical Research, 2012, 117, .	3.3	27
100	STELLAR WIND INFLUENCE ON PLANETARY DYNAMOS. Astrophysical Journal, 2012, 750, 133.	1.6	26
101	On the possibility to determine the electrical conductivity of 67P/CG from ROSETTA magnetic field observations. Planetary and Space Science, 2012, 65, 1-9.	0.9	1
102	Global energy transfer during a magnetospheric field line resonance. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	32
103	Multisatellite observations of a giant pulsation event. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	43
104	Revised timing and onset location of two isolated substorms observed by Time History of Events and Macroscale Interactions During Substorms (THEMIS). Journal of Geophysical Research, 2011, 116, .	3.3	12
105	THEMIS observations of double-onset substorms and their association with IMF variations. Annales Geophysicae, 2011, 29, 591-611.	0.6	4
106	Simulation of cometary jets in interaction with the solar wind. Advances in Space Research, 2011, 48, 1108-1113.	1.2	13
107	A.I.K.E.F.: Adaptive hybrid model for space plasma simulations. Computer Physics Communications, 2011, 182, 946-966.	3.0	115
108	Dipolarization fronts in the magnetotail plasma sheet. Planetary and Space Science, 2011, 59, 517-525.	0.9	73

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109	First lunar wake passage of ARTEMIS: Discrimination of wake effects and solar wind fluctuations by 3D hybrid simulations. Planetary and Space Science, 2011, 59, 661-671.	0.9	44
110	Dynamo action in an ambient field. Astronomische Nachrichten, 2011, 332, 36-42.	0.6	8
111	Direct Evidence for a Three-Dimensional Magnetic Flux Rope Flanked by Two Active Magnetic Reconnection<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi></mml:math>Lines at Earthâ€™s Magnetopause. Physical Review Letters, 2011, 107, 165007.	2.9	78
112	Call for Papers: Special Issue of Earth, Planets and Space (EPS) â€œPhysical Processes in Non-Uniform Finite Magnetospheric Systems â€”50 Years of Tamaoâ€™s Resonant Mode Coupling Theoryâ€”â€• Earth, Planets and Space, 2011, 63, 961-961.	0.9	0
113	Evidence from Numerical Experiments for a Feedback Dynamo Generating Mercuryâ€™s Magnetic Field. Science, 2011, 334, 1690-1693.	6.0	41
114	High-resolution wave number spectrum using multi-point measurements in space â€“ the Multi-point Signal Resonator (MSR) technique. Annales Geophysicae, 2011, 29, 351-360.	0.6	37
115	Properties of standing Kruskal-Schwarzschild-modes at the magnetopause. Annales Geophysicae, 2011, 29, 1793-1807.	0.6	39
116	Three-dimensional spatial structures of solar wind turbulence from 10 000-km to 100-km scales. Annales Geophysicae, 2011, 29, 1731-1738.	0.6	16
117	Separation of the Magnetic Field into External andÂInternal Parts. Space Science Reviews, 2010, 152, 135-157.	3.7	73
118	Induced Magnetic Fields in Solar System Bodies. Space Science Reviews, 2010, 152, 391-421.	3.7	58
119	Current Systems in Planetary Magnetospheres and Ionospheres. Space Science Reviews, 2010, 152, 99-134.	3.7	44
120	Planetary Magnetismâ€”Foreword. Space Science Reviews, 2010, 152, 1-3.	3.7	0
121	Magnetic Polarity Transitions and Biospheric Effects. Space Science Reviews, 2010, 155, 387-410.	3.7	68
122	Magnetic field investigation of Mercury's magnetosphere and the inner heliosphere by MMO/MGF. Planetary and Space Science, 2010, 58, 279-286.	0.9	29
123	The fluxgate magnetometer of the BepiColombo Mercury Planetary Orbiter. Planetary and Space Science, 2010, 58, 287-299.	0.9	70
124	Magnetic field fossilization and tail reconfiguration in Titan's plasma environment during a magnetopause passage: 3D adaptive hybrid code simulations. Planetary and Space Science, 2010, 58, 1526-1546.	0.9	18
125	Wave vector analysis methods using multi-point measurements. Nonlinear Processes in Geophysics, 2010, 17, 383-394.	0.6	11
126	Anisotropy evolution of magnetic field fluctuation through the bow shock. Earth, Planets and Space, 2010, 62, e1-e4.	0.9	7

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127	Wave-Vector Dependence of Magnetic-Turbulence Spectra in the Solar Wind. Physical Review Letters, 2010, 104, 171101.	2.9	67
128	Cosmic ray and solar energetic particle flux in paleomagnetospheres. Earth, Planets and Space, 2010, 62, 333-345.	0.9	25
129	THEMIS observations of substorms on 26 February 2008 initiated by magnetotail reconnection. Journal of Geophysical Research, 2010, 115, .	3.3	44
130	Time History of Events and Macroscale Interactions during Substorms observations of a series of hot flow anomaly events. Journal of Geophysical Research, 2010, 115, .	3.3	75
131	THEMIS observations of a secondary magnetic island within the Hall electromagnetic field region at the magnetopause. Geophysical Research Letters, 2010, 37, .	1.5	33
132	The initial temporal evolution of a feedback dynamo for Mercury. Geophysical and Astrophysical Fluid Dynamics, 2010, 104, 419-429.	0.4	12
133	Low-frequency magnetic field fluctuations in Venus' solar wind interaction region: Venus Express observations. Annales Geophysicae, 2010, 28, 951-967.	0.6	20
134	Magnetic Polarity Transitions and Biospheric Effects. Space Sciences Series of ISSI, 2010, , 387-410.	0.0	1
135	Quasiperiodic ULF-pulsations in Saturn's magnetosphere. Annales Geophysicae, 2009, 27, 885-894.	0.6	7
136	Timing and location of substorm onsets from THEMIS satellite and ground based observations. Annales Geophysicae, 2009, 27, 2813-2830.	0.6	26
137	Observation of an inner magnetosphere electric field associated with a BBF-like flow and PBIs. Annales Geophysicae, 2009, 27, 1489-1500.	0.6	2
138	Longitudinal development of a substorm brightening arc. Annales Geophysicae, 2009, 27, 1935-1940.	0.6	20
139	Evaluation of magnetic helicity density in the wave number domain using multi-point measurements in space. Annales Geophysicae, 2009, 27, 3967-3976.	0.6	17
140	Global properties of magnetotail current sheet flapping: THEMIS perspectives. Annales Geophysicae, 2009, 27, 319-328.	0.6	51
141	Observations of Double Layers in Earthâ€™s Plasma Sheet. Physical Review Letters, 2009, 102, 155002.	2.9	88
142	New Features of Electron Phase Space Holes Observed by the THEMIS Mission. Physical Review Letters, 2009, 102, 225004.	2.9	86
143	DuneXpress. Experimental Astronomy, 2009, 23, 981-999.	1.6	11
144	The plasma interaction of Enceladus: 3D hybrid simulations and comparison with Cassini MAG data. Planetary and Space Science, 2009, 57, 2113-2122.	0.9	51

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145	THEMIS observations of an earthwardâ€propagating dipolarization front. Geophysical Research Letters, 2009, 36, .	1.5	523
146	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. Geophysical Research Letters, 2009, 36, .	1.5	64
147	Simultaneous measurements of Martian plasma boundaries by Rosetta and Mars Express. Planetary and Space Science, 2009, 57, 1085-1096.	0.9	13
148	Statistical study of the magnetopause motion: First results from THEMIS. Journal of Geophysical Research, 2009, 114, .	3.3	23
149	Dynamic motion of the bow shock and the magnetopause observed by THEMIS spacecraft. Journal of Geophysical Research, 2009, 114, .	3.3	25
150	Coordinated observation of the dayside magnetospheric entry and exit of the THEMIS satellites with groundâ€based auroral imaging in Antarctica. Journal of Geophysical Research, 2009, 114, .	3.3	9
151	Thin current sheet in the substorm late growth phase: Modeling of THEMIS observations. Journal of Geophysical Research, 2009, 114, .	3.3	60
152	THEMIS ground-space observations during the development of auroral spirals. Annales Geophysicae, 2009, 27, 4317-4332.	0.6	18
153	The Sun, geomagnetic polarity transitions, and possible biospheric effects: review and illustrating model. International Journal of Astrobiology, 2009, 8, 147-159.	0.9	17
154	Induced Magnetic Fields in Solar System Bodies. Space Sciences Series of ISSI, 2009, , 391-421.	0.0	5
155	Quasi-parallel whistler mode waves observed by THEMIS during near-earth dipolarizations. Annales Geophysicae, 2009, 27, 2259-2275.	0.6	83
156	Spatial aliasing and distortion of energy distribution in the wave vector domain under multi-spacecraft measurements. Annales Geophysicae, 2009, 27, 3031-3042.	0.6	16
157	Magnetopause surface oscillation frequencies at different solar wind conditions. Annales Geophysicae, 2009, 27, 4521-4532.	0.6	32
158	Rosetta and Mars Express observations of the influence of high solar wind pressure on the Martian plasma environment. Annales Geophysicae, 2009, 27, 4533-4545.	0.6	21
159	Magnetic Twisters on Mercury. Science, 2009, 324, 597-598.	6.0	3
160	The Upgraded CARISMA Magnetometer Array inÂtheÂTHEMIS Era. Space Science Reviews, 2008, 141, 413-451.	3.7	258
161	Initial Venus Express magnetic field observations of the Venus bow shock location at solar minimum. Planetary and Space Science, 2008, 56, 785-789.	0.9	71
162	Initial Venus Express magnetic field observations of the magnetic barrier at solar minimum. Planetary and Space Science, 2008, 56, 790-795.	0.9	61

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163	Titan's magnetic field signature during the Cassini T34 flyby: Comparison between hybrid simulations and MAG data. Geophysical Research Letters, 2008, 35, .	1.5	15
164	Modeling impacts of geomagnetic field variations on middle atmospheric ozone responses to solar proton events on long timescales. Journal of Geophysical Research, 2008, 113, .	3.3	45
165	Magnetospheric quasi-static response to the dynamic magnetosheath: A THEMIS case study. Geophysical Research Letters, 2008, 35, .	1.5	22
166	First identification of mirror mode waves in Venus' magnetosheath?. Geophysical Research Letters, 2008, 35, .	1.5	50
167	Structure of the subsolar magnetopause regions during northward IMF: First results from THEMIS. Geophysical Research Letters, 2008, 35, .	1.5	12
168	Simultaneous THEMIS in situ and auroral observations of a small substorm. Geophysical Research Letters, 2008, 35, .	1.5	89
169	Tail Reconnection Triggering Substorm Onset. Science, 2008, 321, 931-935.	6.0	551
170	Statistical analysis of ground based magnetic field measurements with the field line resonance detector. Annales Geophysicae, 2008, 26, 3477-3489.	0.6	20
171	Influence of non-stationary electromagnetic field conditions on ion pick-up at Titan: 3-D multispecies hybrid simulations. Annales Geophysicae, 2008, 26, 599-617.	0.6	15
172	Evaluation of bispectrum in the wave number domain based on multi-point measurements. Annales Geophysicae, 2008, 26, 3389-3393.	0.6	10
173	Sunward propagating Pc5 waves observed on the post-midnight magnetospheric flank. Annales Geophysicae, 2008, 26, 1567-1579.	0.6	8
174	Electromagnetic Induction Effects and Dynamo Action inÂthe Hermean System. Space Sciences Series of ISSI, 2008, , 329-345.	0.0	0
175	Energetic particles in the paleomagnetosphere: Reduced dipole configurations and quadrupolar contributions. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	39
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