List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7966033/publications.pdf Version: 2024-02-01

	558	1857
75,719	126	209
citations	h-index	g-index
1424	1424	10794
docs citations	times ranked	citing authors
	75,719 citations 1424 docs citations	75,719 citations 126 h-index 1424 docs citations 1424 times ranked

#	Article	IF	CITATIONS
1	Solitary Magnetic Structures Developed From Gyroâ€Resonance With Solar Wind Ions at Mars and Earth. Geophysical Research Letters, 2022, 49, .	4.0	7
2	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. Physics of Plasmas, 2022, 29, .	1.9	5
3	Turbulence-driven magnetic reconnection and the magnetic correlation length: Observations from Magnetospheric Multiscale in Earth's magnetosheath. Physics of Plasmas, 2022, 29, .	1.9	30
4	Lower hybrid drift wave motion at a dayside magnetopause x-line with energy conversion dominated by a parallel electric field. Physics of Plasmas, 2022, 29, 012905.	1.9	3
5	Transport Path of Coldâ€Dense Plasmas in the Dusk Magnetotail Plasma Sheet: MMS Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	3
6	Magnetic Flux Transport Identification of Active Reconnection: MMS Observations in Earth's Magnetosphere. Astrophysical Journal Letters, 2022, 926, L34.	8.3	7
7	Protoplanet Vesta and HED Meteorites. , 2022, , 41-52.		2
8	Carbon and Organic Matter on Ceres. , 2022, , 121-133.		0
9	Geomorphology of Ceres. , 2022, , 143-158.		0
10	Origin and Dynamical Evolution of the Asteroid Belt. , 2022, , 227-249.		9
11	Ceres' Surface Composition. , 2022, , 105-120.		0
12	Electronâ€Only Reconnection as a Transition Phase From Quiet Magnetotail Current Sheets to Traditional Magnetotail Reconnection. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	10
13	Collisional Evolution of the Main Belt as Recorded by Vesta. , 2022, , 250-261.		1
14	Ammonia on Ceres. , 2022, , 134-142.		0
15	Geophysics of Vesta and Ceres. , 2022, , 173-196.		0
16	Formation of Main Belt Asteroids. , 2022, , 199-211.		3
17	The Surface Composition of Vesta. , 2022, , 81-104.		0

#	Article	IF	CITATIONS
19	Geomorphology of Vesta. , 2022, , 67-80.		0
20	Isotopic Constraints on the Formation of the Main Belt. , 2022, , 212-226.		1
21	Ceres' Internal Evolution. , 2022, , 159-172.		0
22	Exploring Vesta and Ceres. , 2022, , 26-38.		0
23	The Internal Evolution of Vesta. , 2022, , 53-66.		0
24	Statistical study of lightning-generated whistler-mode waves observed by Venus Express. Icarus, 2022, 380, 114993.	2.5	2
25	A young age of formation of Rheasilvia basin on Vesta from floor deformation patterns and crater counts. Meteoritics and Planetary Science, 2022, 57, 22-47.	1.6	6
26	ULF Waveâ€Induced Ion Pitch Angle Evolution in the Dayside Outer Magnetosphere. Geophysical Research Letters, 2022, 49, .	4.0	2
27	Whistler Waves in the Foot of Quasiâ€Perpendicular Supercritical Shocks. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
28	Electron energization and thermal to non-thermal energy partition during earth's magnetotail reconnection. Physics of Plasmas, 2022, 29, .	1.9	7
29	The EDR inflow region of a reconnecting current sheet in the geomagnetic tail. Physics of Plasmas, 2022, 29, .	1.9	3
30	Determining the Relative Cratering Ages of Regions of Psyche's Surface. Space Science Reviews, 2022, 218, 1.	8.1	4
31	Maximum Energies of Trapped Particles Around Magnetized Planets and Small Bodies. Geophysical Research Letters, 2022, 49, .	4.0	3
32	Ceres' Broad‣cale Surface Geomorphology Largely Due To Asymmetric Internal Convection. AGU Advances, 2022, 3, .	5.4	2
33	Direct observations of anomalous resistivity and diffusion in collisionless plasma. Nature Communications, 2022, 13, .	12.8	15
34	Electronâ€Only Reconnection as a Transition From Quiet Current Sheet to Standard Reconnection in Earth's Magnetotail: Particleâ€Inâ€Cell Simulation and Application to MMS Data. Geophysical Research Letters, 2022, 49, .	4.0	14
35	Three-dimensional network of filamentary currents and super-thermal electrons during magnetotail magnetic reconnection. Nature Communications, 2022, 13, .	12.8	11
36	Magnetic Field Annihilation in a Magnetotail Electron Diffusion Region With Electronâ€Scale Magnetic Island. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6

#	Article	IF	CITATIONS
37	Comparative Analysis of the Various Generalized Ohm's Law Terms in Magnetosheath Turbulence as Observed by Magnetospheric Multiscale. Journal of Geophysical Research: Space Physics, 2021, 126, 2020JA028447.	2.4	15
38	The Boulder Population of Asteroid 4 Vesta: Sizeâ€Frequency Distribution and Survival Time. Earth and Space Science, 2021, 8, e2019EA000941.	2.6	17
39	Observations of Mirror Mode Structures in the Dawnâ€6ide Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028649.	2.4	2
40	The Dynamics of a High Mach Number Quasi-perpendicular Shock: MMS Observations. Astrophysical Journal, 2021, 908, 40.	4.5	23
41	Electronâ€Only Tail Current Sheets and Their Temporal Evolution. Geophysical Research Letters, 2021, 48, e2020GL091364.	4.0	15
42	MMS Observations of Reconnection Separatrix Region in the Magnetotail at Different Distances From the Active Neutral X‣ine. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028694.	2.4	5
43	In Situ Evidence of Ion Acceleration between Consecutive Reconnection Jet Fronts. Astrophysical Journal, 2021, 908, 73.	4.5	3
44	Statistical Characteristics of Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028319.	2.4	6
45	Twoâ€Dimensional Velocity of the Magnetic Structure Observed on July 11, 2017 by the Magnetospheric Multiscale Spacecraft. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028705.	2.4	7
46	An Encounter With the Ion and Electron Diffusion Regions at a Flapping and Twisted Tail Current Sheet. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028903.	2.4	8
47	Effect of the Electric Field on the Agyrotropic Electron Distributions. Geophysical Research Letters, 2021, 48, e2020GL091437.	4.0	3
48	MMS Observations of the Multiscale Wave Structures and Parallel Electron Heating in the Vicinity of the Southern Exterior Cusp. Journal of Geophysical Research: Space Physics, 2021, 126, e2019JA027698.	2.4	15
49	Large Amplitude Electrostatic Proton Plasma Frequency Waves in the Magnetospheric Separatrix and Outflow Regions During Magnetic Reconnection. Geophysical Research Letters, 2021, 48, e2020GL090286.	4.0	9
50	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 3. Occurrence and Amplitude as Functions of Magnetic Latitude, Local Time, and Magnetic Disturbance Indices. Space Weather, 2021, 19, e2020SW002526.	3.7	15
51	Configuration of the Earth's Magnetotail Current Sheet. Geophysical Research Letters, 2021, 48, e2020GL092153.	4.0	14
52	Determining EMIC Wave Vector Properties Through Multiâ€Point Measurements: The Wave Curl Analysis. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028922.	2.4	10
53	Temporal Evolution of Flux Rope/Tube Entanglement in 3â€D Hall MHD Simulations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028698.	2.4	3
54	Electron Trapping in Magnetic Mirror Structures at the Edge of Magnetopause Flux Ropes. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029182.	2.4	3

#	Article	IF	CITATIONS
55	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultraâ€low Frequency Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028912.	2.4	6
56	MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028936.	2.4	2
57	Compositional control on impact crater formation on mid-sized planetary bodies: Dawn at Ceres and Vesta, Cassini at Saturn. Icarus, 2021, 359, 114343.	2.5	14
58	A Multiâ€Instrument Study of a Dipolarization Event in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029294.	2.4	0
59	Statistical Survey of Collisionless Dissipation in the Terrestrial Magnetosheath. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029000.	2.4	12
60	MMS Observations of Energized He ⁺ Pickup Ions at Quasiperpendicular Shocks. Astrophysical Journal, 2021, 913, 112.	4.5	2
61	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth's Magnetopause. Astrophysical Journal, 2021, 914, 26.	4.5	6
62	The Brittle Boulders of Dwarf Planet Ceres. Planetary Science Journal, 2021, 2, 111.	3.6	10
63	Comparison of MMS Observations of Foreshock Bubbles With a Global Hybrid Simulation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028848.	2.4	5
64	Replenishment of Near‣urface Water Ice by Impacts Into Ceres' Volatileâ€Rich Crust: Observations by Dawn's Gamma Ray and Neutron Detector. Geophysical Research Letters, 2021, 48, e2021GL094223.	4.0	2
65	Electrostatic Solitary Waves in the Earth's Bow Shock: Nature, Properties, Lifetimes, and Origin. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029357.	2.4	20
66	Observation of Nonuniform Energy Dissipation in the Electron Diffusion Region of Magnetopause Reconnection. Geophysical Research Letters, 2021, 48, e2020GL091928.	4.0	3
67	Upperâ€Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. Geophysical Research Letters, 2021, 48, e2021GL093164.	4.0	13
68	Nonlinear Magnetic Gradients and Complete Magnetic Geometry From Multispacecraft Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028846.	2.4	6
69	Superposed Epoch Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029465.	2.4	7
70	High Mach Number Quasiâ€Perpendicular Shocks: Spatial Versus Temporal Structure. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029287.	2.4	8
71	Anomalous Reconnection Layer at Earth's Dayside Magnetopause. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029678.	2.4	1
72	The surface of (4) Vesta in visible light as seen by Dawn/VIR. Astronomy and Astrophysics, 2021, 653, A118.	5.1	1

#	Article	IF	CITATIONS
73	Offâ€Equatorial Minima Effects on ULF Waveâ€Ion Interaction in the Dayside Outer Magnetosphere. Geophysical Research Letters, 2021, 48, e2021GL095648.	4.0	8
74	Shock Mach Number Estimates Using Incomplete Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029519.	2.4	6
75	Venus lightning: Estimation of charge and dimensions of charge regions for lightning initiation. Icarus, 2021, 365, 114473.	2.5	1
76	Thermal inertia of Occator's faculae on Ceres. Planetary and Space Science, 2021, 205, 105285.	1.7	0
77	The unique spectral and geomorphological characteristics of pitted impact deposits associated with Marcia crater on Vesta. Icarus, 2021, 369, 114633.	2.5	1
78	Solitary Magnetic Structures at Quasiâ€Parallel Collisionless Shocks: Formation. Geophysical Research Letters, 2021, 48, e2020GL090800.	4.0	21
79	Organic Material on Ceres: Insights from Visible and Infrared Space Observations. Life, 2021, 11, 9.	2.4	12
80	SECS Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029839.	2.4	12
81	Thin Current Sheet Behind the Dipolarization Front. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029518.	2.4	8
82	Magnetic Flux Circulation in the Saturnian Magnetosphere as Constrained by Cassini Observations in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029304.	2.4	4
83	Formation of ejecta and dust pond deposits on asteroid Vesta. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006873.	3.6	0
84	Bifurcated Current Sheet Observed on the Boundary of Kelvin-Helmholtz Vortices. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	3
85	Structure of a Perturbed Magnetic Reconnection Electron Diffusion Region in the Earth's Magnetotail. Physical Review Letters, 2021, 127, 215101.	7.8	15
86	Mapping MMS Observations of Solitary Waves in Earth's Magnetic Field. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029389.	2.4	1
87	Largeâ€Scale Parallel Electric Field Colocated in an Extended Electron Diffusion Region During the Magnetosheath Magnetic Reconnection. Geophysical Research Letters, 2021, 48, e2021GL094879.	4.0	11
88	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. Physics of Plasmas, 2021, 28, .	1.9	3
89	Comparative Study of Electric Currents and Energetic Particle Fluxes in a Solar Flare and Earth Magnetospheric Substorm. Astrophysical Journal, 2021, 923, 151.	4.5	5
90	High Thermal Inertia Zones on Ceres From Dawn Data. Journal of Geophysical Research E: Planets, 2020, 125, e2018JE005733.	3.6	9

#	Article	IF	CITATIONS
91	Ceres: Astrobiological Target and Possible Ocean World. Astrobiology, 2020, 20, 269-291.	3.0	43
92	Electron Bernstein waves driven by electron crescents near the electron diffusion region. Nature Communications, 2020, 11, 141.	12.8	26
93	Comparison of the Flank Magnetopause at Nearâ€Earth and Lunar Distances: MMS and ARTEMIS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028406.	2.4	6
94	Flux Transfer Event With an Electron‣cale Substructure Observed by the Magnetospheric Multiscale Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027308.	2.4	1
95	Observations of Electronâ€Only Magnetic Reconnection Associated With Macroscopic Magnetic Flux Ropes. Geophysical Research Letters, 2020, 47, e2020GL089659.	4.0	13
96	Multiscale Coupling During Magnetopause Reconnection: Interface Between the Electron and Ion Diffusion Regions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027985.	2.4	10
97	Energetic Ion Reflections at Interplanetary Shocks: First Observations From ARTEMIS. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028174.	2.4	4
98	Propagating and Dynamic Properties of Magnetic Dips in the Dayside Magnetosheath: MMS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA026736.	2.4	22
99	Kinetic-scale Flux Rope in the Magnetosheath Boundary Layer. Astrophysical Journal, 2020, 897, 137.	4.5	16
100	The varied sources of faculae-forming brines in Ceres' Occator crater emplaced via hydrothermal brine effusion. Nature Communications, 2020, 11, 3680.	12.8	41
101	Impact heat driven volatile redistribution at Occator crater on Ceres as a comparative planetary process. Nature Communications, 2020, 11, 3679.	12.8	19
102	Evidence of non-uniform crust of Ceres from Dawn's high-resolution gravity data. Nature Astronomy, 2020, 4, 748-755.	10.1	30
103	Fresh emplacement of hydrated sodium chloride on Ceres from ascending salty fluids. Nature Astronomy, 2020, 4, 786-793.	10.1	60
104	Impact-driven mobilization of deep crustal brines on dwarf planet Ceres. Nature Astronomy, 2020, 4, 741-747.	10.1	50
105	Post-impact cryo-hydrologic formation of small mounds and hills in Ceres's Occator crater. Nature Geoscience, 2020, 13, 605-610.	12.9	15
106	Determination of the Configurations of Boundaries in Space. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028163.	2.4	6
107	The BepiColombo–Mio Magnetometer en Route to Mercury. Space Science Reviews, 2020, 216, 1	8.1	19
108	The science mission of SpacelL's Beresheet lander. Planetary and Space Science, 2020, 194, 105115.	1.7	3

#	Article	IF	CITATIONS
109	Turbulent Wavefield Morphology and Ion Scattering in the Magnetosheath. Geophysical Research Letters, 2020, 47, e2020GL089613.	4.0	3
110	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. Nature Communications, 2020, 11, 5049.	12.8	75
111	The Origin of Observed Magnetic Variability for a Sol on Mars From InSight. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006505.	3.6	15
112	Solar Wind Conditions During the First 42 Months of Magnetospheric Multiscale Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028207.	2.4	0
113	Flux Ropes Are Born in Pairs: An Outcome of Interlinked, Reconnecting Flux Tubes. Geophysical Research Letters, 2020, 47, e2020GL087620.	4.0	14
114	MMS Observation of Secondary Magnetic Reconnection Beside Ion cale Flux Rope at the Magnetopause. Geophysical Research Letters, 2020, 47, e2020GL089075.	4.0	8
115	Electron Inflow Velocities and Reconnection Rates at Earth's Magnetopause and Magnetosheath. Geophysical Research Letters, 2020, 47, e2020GL089082.	4.0	23
116	Multisatellite MMS Analysis of Electron Holes in the Earth's Magnetotail: Origin, Properties, Velocity Gap, and Transverse Instability. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028066.	2.4	31
117	Observation of an inertial-range energy cascade within a reconnection jet in the Earth's magnetotail. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 500, L6-L10.	3.3	7
118	Physical Implication of Two Types of Reconnection Electron Diffusion Regions With and Without Ionâ€Coupling in the Magnetotail Current Sheet. Geophysical Research Letters, 2020, 47, e2020GL088761.	4.0	20
119	Magnetospheric Multiscale observations of energetic oxygen ions at the duskside magnetopause during intense substorms. Annales Geophysicae, 2020, 38, 123-135.	1.6	2
120	Distribution and Properties of Magnetic Flux Ropes in Titan's Ionosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027570.	2.4	3
121	Formation and Evolution of the Large cale Magnetic Fields in Venus' Ionosphere: Results From a Three Dimensional Global Multispecies MHD Model. Geophysical Research Letters, 2020, 47, e2020GL087593.	4.0	12
122	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027488.	2.4	12
123	<i>In Situ</i> Observation of Hall Magnetohydrodynamic Cascade in Space Plasma. Physical Review Letters, 2020, 124, 225101.	7.8	43
124	Characteristics of Minor Ions and Electrons in Flux Transfer Events Observed by the Magnetospheric Multiscale Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027778.	2.4	8
125	Overshoot dependence on the cross-shock potential. Annales Geophysicae, 2020, 38, 17-26.	1.6	7
126	Direct Evidence for Electron Acceleration Within Ionâ€Scale Flux Rope. Geophysical Research Letters, 2020, 47, e2019GL085141.	4.0	44

#	Article	IF	CITATIONS
127	Ceres' partial differentiation: undifferentiated crust mixing with a water-rich mantle. Astronomy and Astrophysics, 2020, 633, A117.	5.1	17
128	Extension of the Electron Diffusion Region in a Guide Field Magnetic Reconnection at Magnetopause. Astrophysical Journal Letters, 2020, 892, L5.	8.3	10
129	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. Frontiers in Astronomy and Space Sciences, 2020, 6, .	2.8	18
130	Latitudinal Dependence of the Kelvinâ€Helmholtz Instability and Beta Dependence of Vortexâ€Induced Highâ€Guide Field Magnetic Reconnection. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027333.	2.4	7
131	MMS Observations of Accelerated Interstellar Pickup He ⁺ Ions at an Interplanetary Shock. Astrophysical Journal, 2020, 897, 6.	4.5	2
132	Statistics of Kinetic Dissipation in the Earth's Magnetosheath: MMS Observations. Physical Review Letters, 2020, 124, 255101.	7.8	41
133	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. Physical Review Letters, 2020, 125, 025103.	7.8	29
134	Ceres observed at low phase angles by VIR-Dawn. Astronomy and Astrophysics, 2020, 634, A39.	5.1	8
135	Generation of Turbulence in Kelvinâ€Helmholtz Vortices at the Earth's Magnetopause: Magnetospheric Multiscale Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027595.	2.4	15
136	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulentÂmagnetosheath. Journal of Plasma Physics, 2020, 86, .	2.1	15
137	Observations, Meteorites, and Models: A Preflight Assessment of the Composition and Formation of (16) Psyche. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006296.	3.6	61
138	Characteristics of Escaping Magnetospheric Ions Associated With Magnetic Field Fluctuations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027337.	2.4	2
139	Crustal and time-varying magnetic fields at the InSight landing site on Mars. Nature Geoscience, 2020, 13, 199-204.	12.9	68
140	Observational Evidence for Stochastic Shock Drift Acceleration of Electrons at the Earth's Bow Shock. Physical Review Letters, 2020, 124, 065101.	7.8	42
141	Asymmetric Reconnection Within a Flux Ropeâ€Type Dipolarization Front. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027296.	2.4	7
142	Electron Heating by Debye-Scale Turbulence in Guide-Field Reconnection. Physical Review Letters, 2020, 124, 045101.	7.8	31
143	Statistics of Reconnecting Current Sheets in the Transition Region of Earth's Bow Shock. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027119.	2.4	32
144	Contribution of Anisotropic Electron Current to the Magnetotail Current Sheet as a Function of Location and Plasma Conditions. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027251.	2.4	12

#	Article	IF	CITATIONS
145	Electrostatic Turbulence and Debye-scale Structures in Collisionless Shocks. Astrophysical Journal Letters, 2020, 889, L9.	8.3	34
146	Polynomial Reconstruction of the Reconnection Magnetic Field Observed by Multiple Spacecraft. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027481.	2.4	38
147	Fracture geometry and statistics of Ceres' floor fractures. Planetary and Space Science, 2020, 187, 104955.	1.7	4
148	Magnetic Reconnection Inside a Flux Rope Induced by Kelvinâ€Helmholtz Vortices. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027665.	2.4	26
149	In Situ Measurement of Curvature of Magnetic Field in Turbulent Space Plasmas: A Statistical Study. Astrophysical Journal Letters, 2020, 893, L25.	8.3	11
150	Electron Mixing and Isotropization in the Exhaust of Asymmetric Magnetic Reconnection With a Guide Field. Geophysical Research Letters, 2020, 47, e2020GL087159.	4.0	4
151	Sequential Observations of Flux Transfer Events, Polewardâ€Moving Auroral Forms, and Polar Cap Patches. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027674.	2.4	12
152	Temporal Evolution of Flux Tube Entanglement at the Magnetopause as Observed by the MMS Satellites. Geophysical Research Letters, 2020, 47, e2020GL090314.	4.0	6
153	Initial results from the InSight mission on Mars. Nature Geoscience, 2020, 13, 183-189.	12.9	274
154	The Solar Orbiter magnetometer. Astronomy and Astrophysics, 2020, 642, A9.	5.1	136
155	The surface of (1) Ceres in visible light as seen by Dawn/VIR. Astronomy and Astrophysics, 2020, 642, A74.	5.1	8
156	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. Physical Review Letters, 2020, 125, 265102.	7.8	17
157	Direct Measurement of the Solar-wind Taylor Microscale Using MMS Turbulence Campaign Data. Astrophysical Journal, 2020, 899, 63.	4.5	21
158	Scaling and Anisotropy of Solar Wind Turbulence at Kinetic Scales during the MMS Turbulence Campaign. Astrophysical Journal, 2020, 903, 127.	4.5	9
159	Evolution of the Earth's Magnetosheath Turbulence: A Statistical Study Based on MMS Observations. Astrophysical Journal Letters, 2020, 898, L43.	8.3	22
160	Electron Energization and Energy Dissipation in Microscale Electromagnetic Environments. Astrophysical Journal Letters, 2020, 899, L31.	8.3	10
161	Observation of Energy Conversion Near the X-line in Asymmetric Guide-field Reconnection. Astrophysical Journal Letters, 2020, 895, L10.	8.3	2
162	Spectral analysis of the Cerean geological unit crater central peak material as an indicator of subsurface mineral composition. Icarus, 2019, 318, 75-98.	2.5	6

#	Article	IF	CITATIONS
163	Elemental composition and mineralogy of Vesta and Ceres: Distribution and origins of hydrogen-bearing species. Icarus, 2019, 318, 42-55.	2.5	34
164	Tectonic analysis of fracturing associated with occator crater. Icarus, 2019, 320, 49-59.	2.5	21
165	The spectral parameter maps of Ceres from NASA/DAWN VIR data. Icarus, 2019, 318, 14-21.	2.5	9
166	The mineralogy of Ceres' Nawish quadrangle. Icarus, 2019, 318, 195-204.	2.5	1
167	Substormâ€Related Nearâ€Earth Reconnection Surge: Combining Telescopic and Microscopic Views. Geophysical Research Letters, 2019, 46, 6239-6247.	4.0	1
168	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. Geophysical Research Letters, 2019, 46, 6287-6296.	4.0	23
169	Modeling Windâ€Driven Ionospheric Dynamo Currents at Mars: Expectations for InSight Magnetic Field Measurements. Geophysical Research Letters, 2019, 46, 5083-5091.	4.0	20
170	Velocity Rotation Events in the Outer Magnetosphere Near the Magnetopause. Journal of Geophysical Research: Space Physics, 2019, 124, 4137-4156.	2.4	3
171	Continentâ€Wide R1/R2 Current System and Ohmic Losses by Broad Dipolarizationâ€Injection Fronts. Journal of Geophysical Research: Space Physics, 2019, 124, 4064-4082.	2.4	5
172	Landslides on Ceres: Diversity and Geologic Context. Journal of Geophysical Research E: Planets, 2019, 124, 3329-3343.	3.6	14
173	Nonideal Electric Field Observed in the Separatrix Region of a Magnetotail Reconnection Event. Geophysical Research Letters, 2019, 46, 10744-10753.	4.0	12
174	Energy Conversion and Electron Acceleration in the Magnetopause Reconnection Diffusion Region. Geophysical Research Letters, 2019, 46, 10274-10282.	4.0	10
175	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multipleâ€Instrument Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 7459-7476.	2.4	35
176	The Solar Clock. Reviews of Geophysics, 2019, 57, 1129-1145.	23.0	5
177	Origin of two-band chorus in the radiation belt of Earth. Nature Communications, 2019, 10, 4672.	12.8	52
178	Importance of Ambipolar Electric Field in Driving Ion Loss From Mars: Results From a Multifluid MHD Model With the Electron Pressure Equation Included. Journal of Geophysical Research: Space Physics, 2019, 124, 9040-9057.	2.4	27
179	Electron-scale Vertical Current Sheets in a Bursty Bulk Flow in the Terrestrial Magnetotail. Astrophysical Journal Letters, 2019, 872, L26.	8.3	19
180	Subâ€ionâ€scale Dynamics of the Ion Diffusion Region in the Magnetotail: MMS Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 7898-7911.	2.4	9

#	Article	IF	CITATIONS
181	Reply to: Comment on "The Dominant Role of Energetic Ions in Solar Wind Interaction With the Moon―by Poppe. Journal of Geophysical Research: Space Physics, 2019, 124, 6933-6937.	2.4	2
182	Electron Mirror-mode Structure: Magnetospheric Multiscale Observations. Astrophysical Journal Letters, 2019, 881, L31.	8.3	27
183	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. Geophysical Research Letters, 2019, 46, 11622-11631.	4.0	8
184	Dissipation of Earthward Propagating Flux Rope Through Reâ€reconnection with Geomagnetic Field: An MMS Case Study. Journal of Geophysical Research: Space Physics, 2019, 124, 7477-7493.	2.4	15
185	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 1. Survey and Statistical Analysis. Journal of Geophysical Research: Space Physics, 2019, 124, 7442-7458.	2.4	30
186	Four‧pacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near‣arth Plasma Environment. Journal of Geophysical Research: Space Physics, 2019, 124, 6850-6868.	2.4	7
187	Dome formation on Ceres by solid-state flow analogous to terrestrial salt tectonics. Nature Geoscience, 2019, 12, 797-801.	12.9	16
188	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. Geophysical Research Letters, 2019, 46, 1937-1946.	4.0	36
189	The Hall Electric Field in Earth's Magnetotail Thin Current Sheet. Journal of Geophysical Research: Space Physics, 2019, 124, 1052-1062.	2.4	32
190	Turbulence-Driven Ion Beams in the Magnetospheric Kelvin-Helmholtz Instability. Physical Review Letters, 2019, 122, 035102.	7.8	62
191	Spectrophotometric modeling and mapping of Ceres. Icarus, 2019, 322, 144-167.	2.5	21
192	Observations of an Electron Diffusion Region in Symmetric Reconnection with Weak Guide Field. Astrophysical Journal, 2019, 870, 34.	4.5	79
193	Observational Evidence of Magnetic Reconnection in the Terrestrial Bow Shock Transition Region. Geophysical Research Letters, 2019, 46, 562-570.	4.0	47
194	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. Journal of Geophysical Research: Space Physics, 2019, 124, 1173-1186.	2.4	34
195	Prolonged Kelvin–Helmholtz Waves at Dawn and Dusk Flank Magnetopause: Simultaneous Observations by MMS and THEMIS. Astrophysical Journal, 2019, 875, 57.	4.5	10
196	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earth's Magnetosheath. Astrophysical Journal Letters, 2019, 877, L37.	8.3	80
197	Electron Diffusion Regions in Magnetotail Reconnection Under Varying Guide Fields. Geophysical Research Letters, 2019, 46, 6230-6238.	4.0	33
198	Slurry extrusion on Ceres from a convective mud-bearing mantle. Nature Geoscience, 2019, 12, 505-509.	12.9	42

#	Article	IF	CITATIONS
199	EMIC Waves in the Outer Magnetosphere: Observations of an Offâ€Equator Source Region. Geophysical Research Letters, 2019, 46, 5707-5716.	4.0	29
200	Electron Sublayers and the Associated Magnetic Topologies in the Inner Low‣atitude Boundary Layer. Geophysical Research Letters, 2019, 46, 5746-5753.	4.0	2
201	Carriers of the Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer: An MMS Multicase Study. Journal of Geophysical Research: Space Physics, 2019, 124, 2873-2886.	2.4	9
202	Whistler Waves Driven by Fieldâ€Aligned Streaming Electrons in the Nearâ€Earth Magnetotail Reconnection. Geophysical Research Letters, 2019, 46, 5045-5054.	4.0	18
203	Largeâ€Amplitude Electromagnetic Ion Cyclotron Waves and Density Fluctuations in the Flank of the Earth's Magnetosheath. Geophysical Research Letters, 2019, 46, 4545-4553.	4.0	12
204	The Dominant Role of Energetic Ions in Solar Wind Interaction With the Moon. Journal of Geophysical Research: Space Physics, 2019, 124, 3176-3192.	2.4	6
205	Magnetospheric Multiscale Observations of ULF Waves and Correlated Lowâ€Energy Ion Monoenergetic Acceleration. Journal of Geophysical Research: Space Physics, 2019, 124, 2788-2794.	2.4	5
206	Solar Terrestrial Relations Observatory (STEREO) Observations of Stream Interaction Regions in 2007 – 2016: Relationship with Heliospheric Current Sheets, Solar Cycle Variations, and Dual Observations. Solar Physics, 2019, 294, 1.	2.5	48
207	Fluidized Appearing Ejecta on Ceres: Implications for the Mechanical Properties, Frictional Properties, and Composition of its Shallow Subsurface. Journal of Geophysical Research E: Planets, 2019, 124, 1819-1839.	3.6	19
208	Crescentâ€Shaped Electron Distributions at the Nonreconnecting Magnetopause: Magnetospheric Multiscale Observations. Geophysical Research Letters, 2019, 46, 3024-3032.	4.0	17
209	Magnetospheric Multiscale Observation of Kinetic Signatures in the Alfvén Vortex. Astrophysical Journal Letters, 2019, 871, L22.	8.3	25
210	Anisotropic Electron Distributions and Whistler Waves in a Series of the Flux Transfer Events at the Magnetopause. Journal of Geophysical Research: Space Physics, 2019, 124, 1753-1769.	2.4	19
211	Direct evidence of nonstationary collisionless shocks in space plasmas. Science Advances, 2019, 5, eaau9926.	10.3	27
212	Highâ€Frequency Wave Generation in Magnetotail Reconnection: Linear Dispersion Analysis. Geophysical Research Letters, 2019, 46, 4089-4097.	4.0	32
213	In situ spacecraft observations of a structured electron diffusion region during magnetopause reconnection. Physical Review E, 2019, 99, 043204.	2.1	11
214	A Global Inventory of Iceâ€Related Morphological Features on Dwarf Planet Ceres: Implications for the Evolution and Current State of the Cryosphere. Journal of Geophysical Research E: Planets, 2019, 124, 1650-1689.	3.6	33
215	On the Kinetic Nature of Solar Wind Discontinuities. Geophysical Research Letters, 2019, 46, 1185-1194.	4.0	27
216	Observations of Magnetic Reconnection in the Transition Region of Quasiâ€Parallel Shocks. Geophysical Research Letters, 2019, 46, 1177-1184.	4.0	51

#	Article	IF	CITATIONS
217	Landslides on Ceres: Inferences Into Ice Content and Layering in the Upper Crust. Journal of Geophysical Research E: Planets, 2019, 124, 1512-1524.	3.6	16
218	Electrostatic Spacecraft Potential Structure and Wake Formation Effects for Characterization of Cold Ion Beams in the Earth's Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 10048-10062.	2.4	17
219	Search for water outgassing of (1) Ceres near perihelion. Astronomy and Astrophysics, 2019, 628, A22.	5.1	9
220	Asymmetric Craters on the Dwarf Planet Ceres—Results of Second Extended Mission Data Analysis. Geosciences (Switzerland), 2019, 9, 475.	2.2	3
221	Energy Conversion and Dissipation at Dipolarization Fronts: A Statistical Overview. Geophysical Research Letters, 2019, 46, 12693-12701.	4.0	41
222	Acceleration of Interstellar Pickup He ⁺ at Earth's Perpendicular Bow Shock. Geophysical Research Letters, 2019, 46, 10735-10743.	4.0	6
223	Observation of Nongyrotropic Electron Distribution Across the Electron Diffusion Region in the Magnetotail Reconnection. Geophysical Research Letters, 2019, 46, 14263-14273.	4.0	18
224	Magnetized Dust Clouds Penetrating the Terrestrial Bow Shock Detected by Multiple Spacecraft. Geophysical Research Letters, 2019, 46, 14282-14289.	4.0	4
225	Small Spatialâ€5cale Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer Surveyed by Magnetosphere Multiscale Spacecraft. Journal of Geophysical Research: Space Physics, 2019, 124, 9976-9985.	2.4	9
226	Observations of Electromagnetic Electron Holes and Evidence of Cherenkov Whistler Emission. Physical Review Letters, 2019, 123, 255101.	7.8	12
227	Electron Scattering by Low-frequency Whistler Waves at Earth's Bow Shock. Astrophysical Journal, 2019, 886, 53.	4.5	28
228	InSight Auxiliary Payload Sensor Suite (APSS). Space Science Reviews, 2019, 215, 1.	8.1	104
229	Multispacecraft Analysis of Electron Holes. Geophysical Research Letters, 2019, 46, 55-63.	4.0	32
230	Surface composition of dwarf planet Ceres: Constraints from the Dawn spacecraft mission. Icarus, 2019, 318, 1.	2.5	1
231	Water Vapor Contribution to Ceres' Exosphere From Observed Surface Ice and Postulated Iceâ€Exposing Impacts. Journal of Geophysical Research E: Planets, 2019, 124, 61-75.	3.6	20
232	Waves in Kinetic cale Magnetic Dips: MMS Observations in the Magnetosheath. Geophysical Research Letters, 2019, 46, 523-533.	4.0	49
233	Reconstruction of the Electron Diffusion Region of Magnetotail Reconnection Seen by the MMS Spacecraft on 11 July 2017. Journal of Geophysical Research: Space Physics, 2019, 124, 122-138.	2.4	25
234	Characteristics of organic matter on Ceres from VIR/Dawn high spatial resolution spectra. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2407-2421.	4.4	30

#	Article	IF	CITATIONS
235	High-resolution shape model of Ceres from stereophotoclinometry using Dawn Imaging Data. Icarus, 2019, 319, 812-827.	2.5	51
236	The various ages of Occator crater, Ceres: Results of a comprehensive synthesis approach. Icarus, 2019, 320, 60-82.	2.5	38
237	An aqueously altered carbon-rich Ceres. Nature Astronomy, 2019, 3, 140-145.	10.1	62
238	Normal Faults on Ceres: Insights Into the Mechanical Properties and Thermal History of Nar Sulcus. Geophysical Research Letters, 2019, 46, 80-88.	4.0	7
239	Mineralogy mapping of the Ac-H-5 Fejokoo quadrangle of Ceres. Icarus, 2019, 318, 147-169.	2.5	1
240	Synthesis of the special issue: The formation and evolution of Ceres' Occator crater. Icarus, 2019, 320, 213-225.	2.5	17
241	Mineralogical analysis of the Ac-H-6 Haulani quadrangle of the dwarf planet Ceres. Icarus, 2019, 318, 170-187.	2.5	11
242	Ac-H-11 Sintana and Ac-H-12 Toharu quadrangles: Assessing the large and small scale heterogeneities of Ceres' surface. Icarus, 2019, 318, 230-240.	2.5	9
243	Mineralogical analysis of quadrangle Ac-H-10 Rongo on the dwarf planet Ceres. Icarus, 2019, 318, 212-229.	2.5	8
244	Mineralogy of the Occator quadrangle. Icarus, 2019, 318, 205-211.	2.5	11
245	Compositional differences among Bright Spots on the Ceres surface. Icarus, 2019, 320, 202-212.	2.5	33
246	Spectral investigation of quadrangle AC-H 3 of the dwarf planet Ceres – The region of impact crater Dantu. Icarus, 2019, 318, 111-123.	2.5	5
247	Mineralogical mapping of the Kerwan quadrangle on Ceres. Icarus, 2019, 318, 188-194.	2.5	8
248	Ceres' impact craters – Relationships between surface composition and geology. Icarus, 2019, 318, 56-74.	2.5	11
249	The formation and evolution of bright spots on Ceres. Icarus, 2019, 320, 188-201.	2.5	47
250	Mineralogy of the Urvara–Yalode region on Ceres. Icarus, 2019, 318, 241-250.	2.5	6
251	Bright carbonate surfaces on Ceres as remnants of salt-rich water fountains. Icarus, 2019, 320, 39-48.	2.5	42
252	Introduction to the special issue: The formation and evolution of Ceres' Occator crater. Icarus, 2019, 320, 1-6.	2.5	7

#	Article	IF	CITATIONS
253	Photometry of Ceres and Occator faculae as inferred from VIR/Dawn data. Icarus, 2019, 320, 97-109.	2.5	17
254	Mineralogy of Occator crater on Ceres and insight into its evolution from the properties of carbonates, phyllosilicates, and chlorides. Icarus, 2019, 320, 83-96.	2.5	63
255	Ceres' Occator crater and its faculae explored through geologic mapping. Icarus, 2019, 320, 7-23.	2.5	25
256	The surface composition of Ceres' Ezinu quadrangle analyzed by the Dawn mission. Icarus, 2019, 318, 124-146.	2.5	6
257	Exposed H2O-rich areas detected on Ceres with the dawn visible and infrared mapping spectrometer. Icarus, 2019, 318, 22-41.	2.5	47
258	Mineralogical mapping of Coniraya quadrangle of the dwarf planet Ceres. Icarus, 2019, 318, 99-110.	2.5	20
259	Clobal and local re-impact and velocity regime of ballistic ejecta of boulder craters on Ceres. Planetary and Space Science, 2018, 153, 142-156.	1.7	6
260	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. Journal of Geophysical Research: Space Physics, 2018, 123, 93-103.	2.4	26
261	Large cale Survey of the Structure of the Dayside Magnetopause by MMS. Journal of Geophysical Research: Space Physics, 2018, 123, 2018-2033.	2.4	27
262	Energy partitioning constraints at kinetic scales in low- <i>β</i> turbulence. Physics of Plasmas, 2018, 25, .	1.9	25
263	Determining <i>L</i> â€ <i>M</i> â€ <i>N</i>N Current Sheet Coordinates at the Magnetopause From Magnetospheric Multiscale Data. Journal of Geophysical Research: Space Physics, 2018, 123, 2274-2295.	2.4	38
264	Mineralogy and temperature of crater Haulani on Ceres. Meteoritics and Planetary Science, 2018, 53, 1902-1924.	1.6	21
265	An Electronâ€Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Nearâ€Earth Tail. Geophysical Research Letters, 2018, 45, 4542-4549.	4.0	49
266	Ceres internal structure from geophysical constraints. Meteoritics and Planetary Science, 2018, 53, 1999-2007.	1.6	19
267	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. Geophysical Research Letters, 2018, 45, 3338-3347.	4.0	69
268	Dawn mission's search for satellites of Ceres: Intact protoplanets don't have satellites. Icarus, 2018, 316, 191-204.	2.5	6
269	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 1224-1241.	2.4	39
270	Morphological Indicators of a Mascon Beneath Ceres's Largest Crater, Kerwan. Geophysical Research Letters, 2018, 45, 1297-1304.	4.0	15

#	Article	IF	CITATIONS
271	Electron Crescent Distributions as a Manifestation of Diamagnetic Drift in an Electronâ€6cale Current Sheet: Magnetospheric Multiscale Observations Using New 7.5Âms Fast Plasma Investigation Moments. Geophysical Research Letters, 2018, 45, 578-584.	4.0	52
272	MMS Observation of Asymmetric Reconnection Supported by 3â€D Electron Pressure Divergence. Journal of Geophysical Research: Space Physics, 2018, 123, 1806-1821.	2.4	34
273	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. Journal of Geophysical Research: Space Physics, 2018, 123, 146-162.	2.4	10
274	Geologic constraints on the origin of red organicâ€rich material on Ceres. Meteoritics and Planetary Science, 2018, 53, 1983-1998.	1.6	34
275	Magnetospheric Multiscale Observations of Electron Scale Magnetic Peak. Geophysical Research Letters, 2018, 45, 527-537.	4.0	33
276	Differing Properties of Two Ion‣cale Magnetopause Flux Ropes. Journal of Geophysical Research: Space Physics, 2018, 123, 114-131.	2.4	8
277	Electron Jet Detected by MMS at Dipolarization Front. Geophysical Research Letters, 2018, 45, 556-564.	4.0	75
278	Guide Field Reconnection: Exhaust Structure and Heating. Geophysical Research Letters, 2018, 45, 4569-4577.	4.0	34
279	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. Geophysical Research Letters, 2018, 45, 1237-1245.	4.0	41
280	Wave Phenomena and Beamâ€Plasma Interactions at the Magnetopause Reconnection Region. Journal of Geophysical Research: Space Physics, 2018, 123, 1118-1133.	2.4	19
281	Nature, formation, and distribution of carbonates on Ceres. Science Advances, 2018, 4, e1701645.	10.3	83
282	Variations in the amount of water ice on Ceres' surface suggest a seasonal water cycle. Science Advances, 2018, 4, eaao3757.	10.3	43
283	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. Astrophysical Journal Letters, 2018, 856, L19.	8.3	55
284	STEREO Observations of Interplanetary Coronal Mass Ejections in 2007–2016. Astrophysical Journal, 2018, 855, 114.	4.5	55
285	Magnetospheric Multiscale Observations of Turbulent Magnetic and Electron Velocity Fluctuations in Earth's Magnetosheath Downstream of a quasi-parallel bow shock. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 84-91.	1.6	14
286	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 1779-1793.	2.4	35
287	The geology of the occator quadrangle of dwarf planet Ceres: Floor-fractured craters and other geomorphic evidence of cryomagmatism. Icarus, 2018, 316, 128-139.	2.5	26
288	Geologic mapping of the Ac-2 Coniraya quadrangle of Ceres from NASA's Dawn mission: Implications for a heterogeneously composed crust. Icarus, 2018, 316, 28-45.	2.5	20

#	Article	IF	CITATIONS
289	Geology of Ceres' North Pole quadrangle with Dawn FC imaging data. Icarus, 2018, 316, 14-27.	2.5	6
290	Geologic mapping of the Urvara and Yalode Quadrangles of Ceres. Icarus, 2018, 316, 167-190.	2.5	23
291	The unique geomorphology and structural geology of the Haulani crater of dwarf planet Ceres as revealed by geological mapping of equatorial quadrangle Ac-6 Haulani. Icarus, 2018, 316, 84-98.	2.5	19
292	The Ac-5 (Fejokoo) quadrangle of Ceres: Geologic map and geomorphological evidence for ground ice mediated surface processes. Icarus, 2018, 316, 63-83.	2.5	21
293	Carbonaceous chondrites as analogs for the composition and alteration of Ceres. Meteoritics and Planetary Science, 2018, 53, 1793-1804.	1.6	65
294	The Ceres gravity field, spin pole, rotation period and orbit from the Dawn radiometric tracking and optical data. Icarus, 2018, 299, 411-429.	2.5	65
295	Nanodust released in interplanetary collisions. Planetary and Space Science, 2018, 156, 2-6.	1.7	6
296	Geologic mapping of the Ac-11 Sintana quadrangle: Assessing diverse crater morphologies. Icarus, 2018, 316, 154-166.	2.5	7
297	Ceres' Ezinu quadrangle: a heavily cratered region with evidence for localized subsurface water ice and the context of Occator crater. Icarus, 2018, 316, 46-62.	2.5	21
298	The geology of the Kerwan quadrangle of dwarf planet Ceres: Investigating Ceres' oldest, largest impact basin. Icarus, 2018, 316, 99-113.	2.5	28
299	Effects in the Nearâ€Magnetopause Magnetosheath Elicited by Largeâ€Amplitude Alfvénic Fluctuations Terminating in a Field and Flow Discontinuity. Journal of Geophysical Research: Space Physics, 2018, 123, 8983-9004.	2.4	3
300	Reconnection in the Martian Magnetotail: Hallâ€ <scp>MHD</scp> With Embedded Particleâ€inâ€Cell Simulations. Journal of Geophysical Research: Space Physics, 2018, 123, 3742-3763.	2.4	20
301	Ceres' spectral link to carbonaceous chondrites—Analysis of the dark background materials. Meteoritics and Planetary Science, 2018, 53, 1925-1945.	1.6	6
302	Dantu's mineralogical properties – A view into the composition of Ceres' crust. Meteoritics and Planetary Science, 2018, 53, 1866-1883.	1.6	10
303	Magnetospheric Multiscale Observations of Turbulence in the Magnetosheath on Kinetic Scales. Astrophysical Journal Letters, 2018, 864, L29.	8.3	21
304	Multiscale Currents Observed by MMS in the Flow Braking Region. Journal of Geophysical Research: Space Physics, 2018, 123, 1260-1278.	2.4	32
305	How Accurately Can We Measure the Reconnection Rate <i>E</i> _{<i>M</i>} for the MMS Diffusion Region Event of 11 July 2017?. Journal of Geophysical Research: Space Physics, 2018, 123, 9130-9149.	2.4	64
306	Electron Reconnection in the Magnetopause Current Layer. Journal of Geophysical Research: Space Physics, 2018, 123, 9222-9238.	2.4	15

#	Article	IF	CITATIONS
307	Magnetospheric Multiscale Dayside Reconnection Electron Diffusion Region Events. Journal of Geophysical Research: Space Physics, 2018, 123, 4858-4878.	2.4	79
308	Magnetospheric Multiscale Observations of an Ion Diffusion Region With Large Guide Field at the Magnetopause: Current System, Electron Heating, and Plasma Waves. Journal of Geophysical Research: Space Physics, 2018, 123, 1834-1852.	2.4	32
309	Shock ripples observed by the MMS spacecraft: ion reflection and dispersive properties. Plasma Physics and Controlled Fusion, 2018, 60, 125006.	2.1	25
310	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	12.6	221
311	Incompressive Energy Transfer in the Earth's Magnetosheath: Magnetospheric Multiscale Observations. Astrophysical Journal, 2018, 866, 106.	4.5	42
312	Magnetotail Hall Physics in the Presence of Cold Ions. Geophysical Research Letters, 2018, 45, 10,941.	4.0	17
313	Kinetic Range Spectral Features of Cross Helicity Using the Magnetospheric Multiscale Spacecraft. Physical Review Letters, 2018, 121, 265101.	7.8	17
314	Rippled Electron cale Structure of a Dipolarization Front. Geophysical Research Letters, 2018, 45, 12,116.	4.0	38
315	Higherâ€Order Turbulence Statistics in the Earth's Magnetosheath and the Solar Wind Using Magnetospheric Multiscale Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 9941-9954.	2.4	51
316	Ion Dynamics and the Shock Profile of a Lowâ€Mach Number Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 8913-8923.	2.4	10
317	Ceres' opposition effect observed by the Dawn framing camera. Astronomy and Astrophysics, 2018, 620, A201.	5.1	9
318	Largeâ€Amplitude Highâ€Frequency Waves at Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 2630-2657.	2.4	30
319	MMS Observations of Electrostatic Waves in an Oblique Shock Crossing. Journal of Geophysical Research: Space Physics, 2018, 123, 9430-9442.	2.4	58
320	MMS Observations of Beta-dependent Constraints on Ion Temperature Anisotropy in Earth's Magnetosheath. Astrophysical Journal, 2018, 866, 25.	4.5	21
321	MMS, Van Allen Probes, GOES 13, and Groundâ€Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 8331-8357.	2.4	30
322	Saturn's magnetic field revealed by the Cassini Grand Finale. Science, 2018, 362, .	12.6	108
323	Discovery of Atmosphericâ€Windâ€Driven Electric Currents in Saturn's Magnetosphere in the Gap Between Saturn and its Rings. Geophysical Research Letters, 2018, 45, 10,068.	4.0	18
324	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	8.1	129

#	Article	IF	CITATIONS
325	Perpendicular Current Reduction Caused by Cold Ions of Ionospheric Origin in Magnetic Reconnection at the Magnetopause: Particleâ€inâ€Cell Simulations and Spacecraft Observations. Geophysical Research Letters, 2018, 45, 10,033.	4.0	17
326	Observational Evidence of Largeâ€Scale Multiple Reconnection at the Earth's Dayside Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 8407-8421.	2.4	21
327	Smallâ€6cale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. Journal of Geophysical Research: Space Physics, 2018, 123, 8473-8488.	2.4	23
328	Solar Wind Turbulence Studies Using MMS Fast Plasma Investigation Data. Astrophysical Journal, 2018, 866, 81.	4.5	48
329	Floorâ€Fractured Craters on Ceres and Implications for Interior Processes. Journal of Geophysical Research E: Planets, 2018, 123, 3188-3204.	3.6	13
330	Modulation of Ion and Electron Pitch Angle in the Presence of Large-amplitude, Low-frequency, Left-hand Circularly Polarized Electromagnetic Waves Observed by MMS. Astrophysical Journal, 2018, 867, 58.	4.5	11
331	Simultaneous Multispacecraft Probing of Electron Phase Space Holes. Geophysical Research Letters, 2018, 45, 11,513.	4.0	35
332	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. Geophysical Research Letters, 2018, 45, 11,520.	4.0	28
333	Cryovolcanic rates on Ceres revealed by topography. Nature Astronomy, 2018, 2, 946-950.	10.1	38
334	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. Science, 2018, 361, 1000-1003.	12.6	36
335	A Statistical Study of Slowâ€Mode Shocks Observed by MMS in the Dayside Magnetopause. Geophysical Research Letters, 2018, 45, 4675-4684.	4.0	1
336	In Situ Observation of Magnetic Reconnection Between an Earthward Propagating Flux Rope and the Geomagnetic Field. Geophysical Research Letters, 2018, 45, 8729-8737.	4.0	37
337	Autogenous and efficient acceleration of energetic ions upstream of Earth's bow shock. Nature, 2018, 561, 206-210.	27.8	47
338	Electron Energization at a Reconnecting Magnetosheath Current Sheet. Geophysical Research Letters, 2018, 45, 8081-8090.	4.0	20
339	Local Excitation of Whistler Mode Waves and Associated Langmuir Waves at Dayside Reconnection Regions. Geophysical Research Letters, 2018, 45, 8793-8802.	4.0	19
340	The Impact and Solar Wind Proxy of the 2017 September ICME Event at Mars. Geophysical Research Letters, 2018, 45, 7248-7256.	4.0	29
341	Electron Bulk Acceleration and Thermalization at Earth's Quasiperpendicular Bow Shock. Physical Review Letters, 2018, 120, 225101.	7.8	38
342	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. Icarus, 2018, 315, 146-157.	2.5	216

#	Article	IF	CITATIONS
343	Psyche Science Operations Concept: Maximize Reuse to Minimize Risk. , 2018, , .		5
344	Composition of dwarf planet Ceres: Constraints from the Dawn spacecraft mission. Meteoritics and Planetary Science, 2018, 53, 1775-1777.	1.6	1
345	Generation of Electron Whistler Waves at the Mirror Mode Magnetic Holes: MMS Observations and PIC Simulation. Journal of Geophysical Research: Space Physics, 2018, 123, 6383-6393.	2.4	27
346	Electron Dynamics in Magnetosheath Mirrorâ€Mode Structures. Journal of Geophysical Research: Space Physics, 2018, 123, 5561-5570.	2.4	33
347	Carriers and Sources of Magnetopause Current: MMS Case Study. Journal of Geophysical Research: Space Physics, 2018, 123, 5464-5475.	2.4	12
348	Energy Conversion and Collisionless Plasma Dissipation Channels in the Turbulent Magnetosheath Observed by the Magnetospheric Multiscale Mission. Astrophysical Journal, 2018, 862, 32.	4.5	55
349	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. Nature, 2018, 557, 202-206.	27.8	263
350	Magnetic depression and electron transport in an ion-scale flux rope associated with Kelvin–Helmholtz waves. Annales Geophysicae, 2018, 36, 879-889.	1.6	12
351	MMS Observations of Harmonic Electromagnetic Ion Cyclotron Waves. Geophysical Research Letters, 2018, 45, 8764-8772.	4.0	18
352	The geology of the Nawish quadrangle of Ceres: The rim of an ancient basin. Icarus, 2018, 316, 114-127.	2.5	6
353	Intense Electric Fields and Electron cale Substructure Within Magnetotail Flux Ropes as Revealed by the Magnetospheric Multiscale Mission. Geophysical Research Letters, 2018, 45, 8783-8792.	4.0	34
354	Ceres's global and localized mineralogical composition determined by Dawn's Visible and Infrared Spectrometer (<scp>VIR</scp>). Meteoritics and Planetary Science, 2018, 53, 1844-1865.	1.6	29
355	Ringâ€Mold Craters on Ceres: Evidence for Shallow Subsurface Water Ice Sources. Geophysical Research Letters, 2018, 45, 8121-8128.	4.0	3
356	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. Astrophysical Journal, 2018, 859, 127.	4.5	23
357	Fieldâ€Aligned Currents Originating From the Magnetic Reconnection Region: Conjugate MMSâ€ARTEMIS Observations. Geophysical Research Letters, 2018, 45, 5836-5844.	4.0	9
358	Solitary Waves Across Supercritical Quasiâ€Perpendicular Shocks. Geophysical Research Letters, 2018, 45, 5809-5817.	4.0	43
359	Hodographic approach for determining spacecraft trajectories through magnetic reconnection diffusion regions. Geophysical Research Letters, 2017, 44, 1625-1633.	4.0	7
360	The vanishing cryovolcanoes of Ceres. Geophysical Research Letters, 2017, 44, 1243-1250.	4.0	56

#	Article	IF	CITATIONS
361	"Zipperâ€like―periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1600-1610.	2.4	12
362	Localized aliphatic organic material on the surface of Ceres. Science, 2017, 355, 719-722.	12.6	152
363	An investigation of the bluish material on Ceres. Geophysical Research Letters, 2017, 44, 1660-1668.	4.0	29
364	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. Astrophysical Journal Letters, 2017, 836, L27.	8.3	85
365	On the origin of the crescentâ€ s haped distributions observed by MMS at the magnetopause. Journal of Geophysical Research: Space Physics, 2017, 122, 2024-2039.	2.4	43
366	Evolution of a typical ionâ€scale magnetic flux rope caused by thermal pressure enhancement. Journal of Geophysical Research: Space Physics, 2017, 122, 2040-2050.	2.4	18
367	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. Astrophysical Journal, 2017, 836, 247.	4.5	50
368	Observations of kineticâ€size magnetic holes in the magnetosheath. Journal of Geophysical Research: Space Physics, 2017, 122, 1990-2000.	2.4	70
369	Magnetospheric Multiscale mission observations of the outer electron diffusion region. Geophysical Research Letters, 2017, 44, 2049-2059.	4.0	41
370	Possible Ceres bow shock surfaces based on fluid models. Journal of Geophysical Research: Space Physics, 2017, 122, 4976-4987.	2.4	4
371	Geomorphological evidence for ground ice on dwarf planet Ceres. Nature Geoscience, 2017, 10, 338-343.	12.9	83
372	Martian magnetic storms. Journal of Geophysical Research: Space Physics, 2017, 122, 6185-6209.	2.4	40
373	Quantitative analysis of a Hall system in the exhaust of asymmetric magnetic reconnection. Journal of Geophysical Research: Space Physics, 2017, 122, 5277-5289.	2.4	21
374	Largeâ€scale characteristics of reconnection diffusion regions and associated magnetopause crossings observed by MMS. Journal of Geophysical Research: Space Physics, 2017, 122, 5466-5486.	2.4	48
375	The nonlinear behavior of whistler waves at the reconnecting dayside magnetopause as observed by the Magnetospheric Multiscale mission: A case study. Journal of Geophysical Research: Space Physics, 2017, 122, 5487-5501.	2.4	22
376	High-resolution Ceres Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. Planetary and Space Science, 2017, 140, 74-79.	1.7	29
377	MMS observations of whistler waves in electron diffusion region. Geophysical Research Letters, 2017, 44, 3954-3962.	4.0	89
378	Electron Scattering by High-frequency Whistler Waves at Earth's Bow Shock. Astrophysical Journal Letters, 2017, 842, L11.	8.3	46

#	Article	IF	CITATIONS
379	Electron diffusion region during magnetopause reconnection with an intermediate guide field: Magnetospheric multiscale observations. Journal of Geophysical Research: Space Physics, 2017, 122, 5235-5246.	2.4	52
380	Global observations of magnetospheric highâ€ <i>m</i> poloidal waves during the 22 June 2015 magnetic storm. Geophysical Research Letters, 2017, 44, 3456-3464.	4.0	43
381	Reconstruction of the electron diffusion region observed by the Magnetospheric Multiscale spacecraft: First results. Geophysical Research Letters, 2017, 44, 4566-4574.	4.0	27
382	Parallel electron heating in the magnetospheric inflow region. Geophysical Research Letters, 2017, 44, 4384-4392.	4.0	8
383	Structure, force balance, and topology of Earth's magnetopause. Science, 2017, 356, 960-963.	12.6	10
384	Quadrupolar pattern of the asymmetric guideâ€field reconnection. Journal of Geophysical Research: Space Physics, 2017, 122, 6349-6356.	2.4	40
385	Structure and evolution of flux transfer events near dayside magnetic reconnection dissipation region: MMS observations. Geophysical Research Letters, 2017, 44, 5951-5959.	4.0	26
386	Spectral analysis of Ahuna Mons from Dawn mission's visibleâ€infrared spectrometer. Geophysical Research Letters, 2017, 44, 97-104.	4.0	74
387	Wave-particle energy exchange directly observed in a kinetic Alfvén-branch wave. Nature Communications, 2017, 8, 14719.	12.8	73
388	Possible potentially threatening coâ€orbiting material of asteroid 2000EE104 identified through interplanetary magnetic field disturbances. Meteoritics and Planetary Science, 2017, 52, 1125-1132.	1.6	6
389	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. Geophysical Research Letters, 2017, 44, 2978-2986.	4.0	46
390	EDR signatures observed by MMS in the 16 October event presented in a 2â€Ð parametric space. Journal of Geophysical Research: Space Physics, 2017, 122, 3262-3276.	2.4	2
391	Resolved spectrophotometric properties of the Ceres surface from Dawn Framing Camera images. Icarus, 2017, 288, 201-225.	2.5	69
392	Dawn at Vesta: Paradigms and Paradoxes. , 2017, , 321-339.		8
393	The Dependence of the Cerean Exosphere on Solar Energetic Particle Events. Astrophysical Journal Letters, 2017, 838, L8.	8.3	41
394	Spectrophotometric properties of dwarf planet Ceres from the VIR spectrometer on board the Dawn mission. Astronomy and Astrophysics, 2017, 598, A130.	5.1	69
395	A direct examination of the dynamics of dipolarization fronts using MMS. Journal of Geophysical Research: Space Physics, 2017, 122, 4335-4347.	2.4	44
396	MMS observation of inverse energy dispersion in shock drift accelerated ions. Journal of Geophysical Research: Space Physics, 2017, 122, 3232-3246.	2.4	1

#	Article	IF	CITATIONS
397	Ceres's obliquity history and its implications for the permanently shadowed regions. Geophysical Research Letters, 2017, 44, 2652-2661.	4.0	29
398	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. Journal of Geophysical Research: Space Physics, 2017, 122, 517-533.	2.4	108
399	Surface water-ice deposits in the northern shadowed regions of Ceres. Nature Astronomy, 2017, 1, .	10.1	70
400	Extensive water ice within Ceres' aqueously altered regolith: Evidence from nuclear spectroscopy. Science, 2017, 355, 55-59.	12.6	169
401	"Lomonosov―Satellite—Space Observatory to Study Extreme Phenomena in Space. Space Science Reviews, 2017, 212, 1705-1738.	8.1	21
402	Evidence for the Interior Evolution of Ceres from Geologic Analysis of Fractures. Geophysical Research Letters, 2017, 44, 9564-9572.	4.0	31
403	Magnetospheric Ion Evolution Across the Low‣atitude Boundary Layer Separatrix. Journal of Geophysical Research: Space Physics, 2017, 122, 10,247.	2.4	18
404	MMS Observations and Hybrid Simulations of Surface Ripples at a Marginally Quasiâ€Parallel Shock. Journal of Geophysical Research: Space Physics, 2017, 122, 11,003.	2.4	53
405	Lower Hybrid Drift Waves and Electromagnetic Electron Spaceâ€Phase Holes Associated With Dipolarization Fronts and Fieldâ€Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 12,236.	2.4	31
406	Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 10891-10909.	2.4	17
407	Constraints on Ceres' Internal Structure and Evolution From Its Shape and Gravity Measured by the Dawn Spacecraft. Journal of Geophysical Research E: Planets, 2017, 122, 2267-2293.	3.6	117
408	The Effect of a Guide Field on Local Energy Conversion During Asymmetric Magnetic Reconnection: MMS Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 11,342.	2.4	45
409	The MMS Dayside Magnetic Reconnection Locations During Phase 1 and Their Relation to the Predictions of the Maximum Magnetic Shear Model. Journal of Geophysical Research: Space Physics, 2017, 122, 11,991.	2.4	26
410	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. Journal of Geophysical Research: Space Physics, 2017, 122, 10,194.	2.4	19
411	Energy budget and mechanisms of cold ion heating in asymmetric magnetic reconnection. Journal of Geophysical Research: Space Physics, 2017, 122, 9396-9413.	2.4	24
412	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. Journal of Geophysical Research: Space Physics, 2017, 122, 10,436.	2.4	31
413	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Subâ€Alfvénic Flow. Journal of Geophysical Research: Space Physics, 2017, 122, 9934-9951.	2.4	3
414	The interior structure of Ceres as revealed by surface topography. Earth and Planetary Science Letters, 2017, 476, 153-164.	4.4	117

#	Article	IF	CITATIONS
415	Magnetosheath Highâ€&peed Jets: Internal Structure and Interaction With Ambient Plasma. Journal of Geophysical Research: Space Physics, 2017, 122, 10,157.	2.4	23
416	Coalescence of Macroscopic Flux Ropes at the Subsolar Magnetopause: Magnetospheric Multiscale Observations. Physical Review Letters, 2017, 119, 055101.	7.8	72
417	Conditions for Sublimating Water Ice to Supply Ceres' Exosphere. Journal of Geophysical Research E: Planets, 2017, 122, 1984-1995.	3.6	40
418	Dayside response of the magnetosphere to a small shock compression: Van Allen Probes, Magnetospheric MultiScale, and GOESâ€13. Geophysical Research Letters, 2017, 44, 8712-8720.	4.0	15
419	High-resolution Statistics of Solar Wind Turbulence at Kinetic Scales Using the Magnetospheric Multiscale Mission. Astrophysical Journal Letters, 2017, 844, L9.	8.3	30
420	Instability of Agyrotropic Electron Beams near the Electron Diffusion Region. Physical Review Letters, 2017, 119, 025101.	7.8	46
421	Pitted terrains on (1) Ceres and implications for shallow subsurface volatile distribution. Geophysical Research Letters, 2017, 44, 6570-6578.	4.0	48
422	Oxo Crater on (1) Ceres: Geological History and the Role of Water-ice. Astronomical Journal, 2017, 154, 84.	4.7	17
423	The Putative Cerean Exosphere. Astrophysical Journal, 2017, 850, 85.	4.5	19
424	Magnetospheric Multiscale Observation of Plasma Velocity-Space Cascade: Hermite Representation and Theory. Physical Review Letters, 2017, 119, 205101.	7.8	69
425	Editorial on: Topical Collection on InSight Mission to Mars. Space Science Reviews, 2017, 211, 1-3.	8.1	17
426	Variations of the Martian plasma environment during the ICME passage on 8 March 2015: A timeâ€dependent MHD study. Journal of Geophysical Research: Space Physics, 2017, 122, 1714-1730.	2.4	40
427	The role of plasma slowdown in the generation of Rhea's Alfvén wings. Journal of Geophysical Research: Space Physics, 2017, 122, 1778-1788.	2.4	8
428	A statistical study of kineticâ€ s ize magnetic holes in turbulent magnetosheath: MMS observations. Journal of Geophysical Research: Space Physics, 2017, 122, 8577-8588.	2.4	64
429	Understanding the Solar Wind–Mars Interaction with Global Magnetohydrodynamic Modeling. Computing in Science and Engineering, 2017, 19, 6-17.	1.2	1
430	Space Weather in the Heliosphere. Proceedings of the International Astronomical Union, 2017, 13, 191-196.	0.0	3
431	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. Earth, Planets and Space, 2017, 69, 129.	2.5	15
432	Magnetospheric Multiscale analysis of intense fieldâ€aligned Poynting flux near the Earth's plasma sheet boundary. Geophysical Research Letters, 2017, 44, 7106-7113.	4.0	16

#	Article	IF	CITATIONS
433	The Magnetospheric Multiscale Magnetometers. , 2017, , 189-256.		15
434	THE FORMATION AND EVOLUTION OF BRIGHT SPOTS ON CERES. , 2017, , .		3
435	THE HAMO-BASED GLOBAL GEOLOGIC MAP OF CERES FROM NASA'S DAWN MISSION. , 2017, , .		2
436	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. , 2017, , 105-135.		3
437	Optimized merging of search coil and fluxgate data for MMS. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 521-530.	1.6	22
438	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined fieldâ€ e ligned currents, auroral oval, and magnetopause observations. Geophysical Research Letters, 2016, 43, 2396-2404.	4.0	36
439	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. Geophysical Research Letters, 2016, 43, 3042-3050.	4.0	81
440	Ionâ€scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. Geophysical Research Letters, 2016, 43, 4716-4724.	4.0	95
441	Electron jet of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 5571-5580.	4.0	66
442	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. Geophysical Research Letters, 2016, 43, 5969-5978.	4.0	92
443	Cassini observations of Saturn's southern polar cusp. Journal of Geophysical Research: Space Physics, 2016, 121, 3006-3030.	2.4	17
444	Timing of optical maturation of recently exposed material on Ceres. Geophysical Research Letters, 2016, 43, 11,987.	4.0	35
445	Cryogenic flow features on Ceres: Implications for craterâ€related cryovolcanism. Geophysical Research Letters, 2016, 43, 11,994.	4.0	48
446	The permanently shadowed regions of dwarf planet Ceres. Geophysical Research Letters, 2016, 43, 6783-6789.	4.0	52
447	Ion cyclotron waves at Titan. Journal of Geophysical Research: Space Physics, 2016, 121, 2095-2103.	2.4	4
448	Study of the spacecraft potential under active control and plasma density estimates during the MMS commissioning phase. Geophysical Research Letters, 2016, 43, 4858-4864.	4.0	13
449	Weak, Quiet Magnetic Fields Seen in the Venus Atmosphere. Scientific Reports, 2016, 6, 23537.	3.3	12
450	The missing large impact craters on Ceres. Nature Communications, 2016, 7, 12257.	12.8	84

#	Article	IF	CITATIONS
451	The Coriolis effect on mass wasting during the Rheasilvia impact on asteroid Vesta. Geophysical Research Letters, 2016, 43, 12,340.	4.0	10
452	SURFACE ALBEDO AND SPECTRAL VARIABILITY OF CERES. Astrophysical Journal Letters, 2016, 817, L22.	8.3	42
453	Electron-scale measurements of magnetic reconnection in space. Science, 2016, 352, aaf2939.	12.6	545
454	Observations of largeâ€amplitude, parallel, electrostatic waves associated with the Kelvinâ€Helmholtz instability by the magnetospheric multiscale mission. Geophysical Research Letters, 2016, 43, 8859-8866.	4.0	26
455	Magnetospheric ion influence on magnetic reconnection at the duskside magnetopause. Geophysical Research Letters, 2016, 43, 1435-1442.	4.0	42
456	Electron dynamics in a subprotonâ€gyroscale magnetic hole. Geophysical Research Letters, 2016, 43, 4112-4118.	4.0	49
457	Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). Geophysical Research Letters, 2016, 43, 5960-5968.	4.0	23
458	Transient, smallâ€scale fieldâ€aligned currents in the plasma sheet boundary layer during storm time substorms. Geophysical Research Letters, 2016, 43, 4841-4849.	4.0	30
459	Wave telescope technique for MMS magnetometer. Geophysical Research Letters, 2016, 43, 4774-4780.	4.0	15
460	Kinetic evidence of magnetic reconnection due to Kelvinâ€Helmholtz waves. Geophysical Research Letters, 2016, 43, 5635-5643.	4.0	47
461	Decay of mesoscale flux transfer events during quasiâ€continuous spatially extended reconnection at the magnetopause. Geophysical Research Letters, 2016, 43, 4755-4762.	4.0	28
462	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. Geophysical Research Letters, 2016, 43, 6705-6712.	4.0	45
463	Steepening of waves at the duskside magnetopause. Geophysical Research Letters, 2016, 43, 7373-7380.	4.0	14
464	High-resolution Ceres High Altitude Mapping Orbit atlas derived from Dawn Framing Camera images. Planetary and Space Science, 2016, 129, 103-107.	1.7	54
465	Global variations in regolith properties on asteroid Vesta from Dawn's lowâ€altitude mapping orbit. Meteoritics and Planetary Science, 2016, 51, 2366-2386.	1.6	11
466	The substructure of a flux transfer event observed by the MMS spacecraft. Geophysical Research Letters, 2016, 43, 9434-9443.	4.0	33
467	A partially differentiated interior for (1) Ceres deduced from its gravity field and shape. Nature, 2016, 537, 515-517.	27.8	169
468	MMS observations of electronâ€scale filamentary currents in the reconnection exhaust and near the X line. Geophysical Research Letters, 2016, 43, 6060-6069.	4.0	99

#	Article	IF	CITATIONS
469	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. Astrophysical Journal Letters, 2016, 827, L8.	8.3	49
470	Stable reconnection at the dusk flank magnetopause. Geophysical Research Letters, 2016, 43, 9374-9382.	4.0	7
471	Interplanetary shocks and foreshocks observed by STEREO during 2007–2010. Journal of Geophysical Research: Space Physics, 2016, 121, 992-1008.	2.4	34
472	Detection of local H ₂ O exposed at the surface of Ceres. Science, 2016, 353, .	12.6	128
473	Dawn arrives at Ceres: Exploration of a small, volatile-rich world. Science, 2016, 353, 1008-1010.	12.6	178
474	Distribution of phyllosilicates on the surface of Ceres. Science, 2016, 353, .	12.6	159
475	Cryovolcanism on Ceres. Science, 2016, 353, .	12.6	164
476	The geomorphology of Ceres. Science, 2016, 353, .	12.6	109
477	Cratering on Ceres: Implications for its crust and evolution. Science, 2016, 353, .	12.6	135
478	Results of a hubble space telescope search for natural satellites of dwarf planet 1 ceres. Icarus, 2016, 280, 308-314.	2.5	2
479	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. Geophysical Research Letters, 2016, 43, 5536-5544.	4.0	84
480	MMS observations of ionâ€scale magnetic island in the magnetosheath turbulent plasma. Geophysical Research Letters, 2016, 43, 7850-7858.	4.0	53
481	Multispacecraft observations and modeling of the 22/23 June 2015 geomagnetic storm. Geophysical Research Letters, 2016, 43, 7311-7318.	4.0	27
482	Inverse energy dispersion of energetic ions observed in the magnetosheath. Geophysical Research Letters, 2016, 43, 7338-7347.	4.0	5
483	Observations of turbulence in a Kelvinâ€Helmholtz event on 8 September 2015 by the Magnetospheric Multiscale mission. Journal of Geophysical Research: Space Physics, 2016, 121, 11,021.	2.4	81
484	Force balance at the magnetopause determined with MMS: Application to flux transfer events. Geophysical Research Letters, 2016, 43, 11,941.	4.0	27
485	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. Journal of Geophysical Research: Space Physics, 2016, 121, 9608-9618.	2.4	20
486	Magnetospheric Multiscale Mission observations and nonâ€force free modeling of a flux transfer event immersed in a superâ€Alfvénic flow. Geophysical Research Letters, 2016, 43, 6070-6077.	4.0	22

#	Article	IF	CITATIONS
487	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvinâ€Helmholtz waves. Geophysical Research Letters, 2016, 43, 5606-5615.	4.0	104
488	Thick escaping magnetospheric ion layer in magnetopause reconnection with MMS observations. Geophysical Research Letters, 2016, 43, 6028-6035.	4.0	1
489	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. Geophysical Research Letters, 2016, 43, 7279-7286.	4.0	49
490	A comparative study of dipolarization fronts at MMS and Cluster. Geophysical Research Letters, 2016, 43, 6012-6019.	4.0	37
491	Electrodynamic context of magnetopause dynamics observed by magnetospheric multiscale. Geophysical Research Letters, 2016, 43, 5988-5996.	4.0	10
492	Energy limits of electron acceleration in the plasma sheet during substorms: A case study with the Magnetospheric Multiscale (MMS) mission. Geophysical Research Letters, 2016, 43, 7785-7794.	4.0	51
493	Cold ion demagnetization near the Xâ€line of magnetic reconnection. Geophysical Research Letters, 2016, 43, 6759-6767.	4.0	35
494	Electron currents and heating in the ion diffusion region of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 4691-4700.	4.0	53
495	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. Geophysical Research Letters, 2016, 43, 5943-5952.	4.0	44
496	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. Physical Review Letters, 2016, 116, 235102.	7.8	61
497	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. Physical Review Letters, 2016, 117, 015001.	7.8	74
498	MMS Multipoint electric field observations of smallâ€scale magnetic holes. Geophysical Research Letters, 2016, 43, 5953-5959.	4.0	42
499	Electron energization and mixing observed by MMS in the vicinity of an electron diffusion region during magnetopause reconnection. Geophysical Research Letters, 2016, 43, 6036-6043.	4.0	67
500	Observations of whistler mode waves with nonlinear parallel electric fields near the dayside magnetic reconnection separatrix by the Magnetospheric Multiscale mission. Geophysical Research Letters, 2016, 43, 5909-5917.	4.0	61
501	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. Geophysical Research Letters, 2016, 43, 5918-5925.	4.0	86
502	Rippled Quasiperpendicular Shock Observed by the Magnetospheric Multiscale Spacecraft. Physical Review Letters, 2016, 117, 165101.	7.8	87
503	The permeability of the magnetopause to a multispecies substorm injection of energetic particles. Geophysical Research Letters, 2016, 43, 9453-9460.	4.0	7
504	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. Geophysical Research Letters, 2016, 43, 9397-9405.	4.0	7

#	Article	IF	CITATIONS
505	FC colour images of dwarf planet Ceres reveal a complicated geological history. Planetary and Space Science, 2016, 134, 122-127.	1.7	42
506	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvinâ€Helmholtz instability. Journal of Geophysical Research: Space Physics, 2016, 121, 9926-9939.	2.4	35
507	Reconnection guide field and quadrupolar structure observed by MMS on 16 October 2015 at 1307 UT. Journal of Geophysical Research: Space Physics, 2016, 121, 9880-9887.	2.4	10
508	Carrington Class Solar Events and How to Recognize Them. Proceedings of the International Astronomical Union, 2016, 12, 204-210.	0.0	1
509	Space Weather Storm Responses at Mars: Lessons from A Weakly Magnetized Terrestrial Planet. Proceedings of the International Astronomical Union, 2016, 12, 211-217.	0.0	0
510	Shift of the magnetopause reconnection line to the winter hemisphere under southward IMF conditions: Geotail and MMS observations. Geophysical Research Letters, 2016, 43, 5581-5588.	4.0	17
511	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. Geophysical Research Letters, 2016, 43, 6724-6733.	4.0	37
512	Lithologic variation within bright material on Vesta revealed by linear spectral unmixing. Icarus, 2016, 272, 16-31.	2.5	9
513	The unusual asteroid 2201 Oljato: Origins and possible debris trail. Planetary and Space Science, 2016, 123, 16-24.	1.7	4
514	The AUTUMNX magnetometer meridian chain in Québec, Canada. Earth, Planets and Space, 2016, 68, .	2.5	20
515	Bright carbonate deposits as evidence of aqueous alteration on (1) Ceres. Nature, 2016, 536, 54-57.	27.8	240
516	Composition and structure of the shallow subsurface of Ceres revealed by craterÂmorphology. Nature Geoscience, 2016, 9, 538-542.	12.9	118
517	Magnetospheric Multiscale observations of largeâ€∎mplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. Geophysical Research Letters, 2016, 43, 5626-5634.	4.0	66
518	Observation of highâ€frequency electrostatic waves in the vicinity of the reconnection ion diffusion region by the spacecraft of the Magnetospheric Multiscale (MMS) mission. Geophysical Research Letters, 2016, 43, 4808-4815.	4.0	32
519	Motion of the MMS spacecraft relative to the magnetic reconnection structure observed on 16 October 2015 at 1307ÂUT. Geophysical Research Letters, 2016, 43, 5589-5596.	4.0	36
520	Comparison of Magnetospheric Multiscale ion jet signatures with predicted reconnection site locations at the magnetopause. Geophysical Research Letters, 2016, 43, 5997-6004.	4.0	19
521	A telescopic and microscopic examination of acceleration in the June 2015 geomagnetic storm: Magnetospheric Multiscale and Van Allen Probes study of substorm particle injection. Geophysical Research Letters, 2016, 43, 6051-6059.	4.0	30
522	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. Space Science Reviews, 2016, 199, 105-135.	8.1	390

#	Article	IF	CITATIONS
523	The Magnetospheric Multiscale Magnetometers. Space Science Reviews, 2016, 199, 189-256.	8.1	896
524	Ceres Survey Atlas derived from Dawn Framing Camera images. Planetary and Space Science, 2016, 121, 115-120.	1.7	31
525	Optical space weathering on Vesta: Radiative-transfer models and Dawn observations. Icarus, 2016, 265, 161-174.	2.5	9
526	The Magnetospheric Multiscale Magnetometers. , 2016, 199, 189.		1
527	HIDDEN ICE: USING AGGREGATE SPATIAL AND PHYSICAL PROPERTIES OF LIKELY GROUND ICE DRIVEN FLOWS ON CERES TO BETTER UNDERSTAND ITS SURFACE COMPOSITION. , 2016, , .		1
528	MINERALOGICAL ANALYSIS OF THE QUADRANGLES AC-11 SINTANA AND AC-12 TOHARU ON THE DWARF PLANET CERES. , 2016, , .		1
529	Separation of thermal inertia and roughness effects from Dawn/VIR measurements of Vesta surface temperatures in the vicinity of Marcia Crater. Icarus, 2015, 262, 30-43.	2.5	6
530	Reflectance properties and hydrated material distribution on Vesta: Global investigation of variations and their relationship using improved calibration of Dawn VIR mapping spectrometer. Icarus, 2015, 259, 21-38.	2.5	21
531	MHD model results of solar wind interaction with Mars and comparison with MAVEN plasma observations. Geophysical Research Letters, 2015, 42, 9113-9120.	4.0	58
532	Giant pulsations on the afternoonside: Geostationary satellite and ground observations. Journal of Geophysical Research: Space Physics, 2015, 120, 8350-8367.	2.4	11
533	Eucritic crust remnants and the effect of in-falling hydrous carbonaceous chondrites characterizing the composition of Vesta's Marcia region. Icarus, 2015, 259, 91-115.	2.5	8
534	The spectral parameter maps of Vesta from VIR data. Icarus, 2015, 259, 10-20.	2.5	14
535	Mineralogical analysis of the Oppia quadrangle of asteroid (4) Vesta: Evidence for occurrence of moderate-reflectance hydrated minerals. Icarus, 2015, 259, 129-149.	2.5	15
536	Mineralogic mapping of the Av-9 Numisia quadrangle of Vesta. Icarus, 2015, 259, 116-128.	2.5	6
537	A statistical study of the lowâ€altitude ionospheric magnetic fields over the north pole of Venus. Journal of Geophysical Research: Space Physics, 2015, 120, 6218-6229.	2.4	7
538	Spin-forbidden pyroxene absorptions in the vir-spectra of 4Vesta. , 2015, , .		1
539	Vesta's missing moons: Comprehensive search for natural satellites of Vesta by the Dawn spacecraft. Icarus, 2015, 257, 207-216.	2.5	9
540	Sublimation in bright spots on (1) Ceres. Nature, 2015, 528, 237-240.	27.8	116

#	Article	IF	CITATIONS
541	Ammoniated phyllosilicates with a likely outer Solar System origin on (1) Ceres. Nature, 2015, 528, 241-244.	27.8	276
542	Exogenic olivine on Vesta from Dawn Framing Camera color data. Icarus, 2015, 258, 467-482.	2.5	28
543	Compositional variations in the Vestan Rheasilvia basin. Icarus, 2015, 259, 194-202.	2.5	8
544	Hot flow anomaly remnant in the far geotail?. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 124, 39-43.	1.6	8
545	Characterizing the lowâ€altitude magnetic belt at Venus: Complementary observations from the Pioneer Venus Orbiter and Venus Express. Journal of Geophysical Research: Space Physics, 2015, 120, 2232-2240.	2.4	15
546	Momentum transfer from solar wind to interplanetary field enhancements inferred from magnetic field draping signatures. Geophysical Research Letters, 2015, 42, 1640-1645.	4.0	15
547	Lowâ€frequency waves within isolated magnetic clouds and complex structures: STEREO observations. Journal of Geophysical Research: Space Physics, 2015, 120, 2363-2381.	2.4	10
548	Testing the estimated hypothetical response of a major CME impact on Earth and its implications to space weather. Journal of Geophysical Research: Space Physics, 2015, 120, 3432-3443.	2.4	5
549	Spectral analysis of the quadrangles Av-13 and Av-14 on Vesta. Icarus, 2015, 259, 181-193.	2.5	9
550	Detection of new olivine-rich locations on Vesta. Icarus, 2015, 258, 120-134.	2.5	37
551	Vesta's Pinaria region: Original basaltic achondrite material derived from mixing upper and lower crust. Icarus, 2015, 259, 150-161.	2.5	4
552	The nonmagnetic nucleus of comet 67P/Churyumov-Gerasimenko. Science, 2015, 349, aaa5102.	12.6	52
553	Composition of the northern regions of Vesta analyzed by the Dawn mission. Icarus, 2015, 259, 53-71.	2.5	25
554	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	12.6	166
555	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	12.6	90
556	Geomorphological evidence for transient water flow on Vesta. Earth and Planetary Science Letters, 2015, 411, 151-163.	4.4	42
557	Mineralogy of Marcia, the youngest large crater of Vesta: Character and distribution of pyroxenes and hydrated material. Icarus, 2015, 248, 392-406.	2.5	9
558	The Dawn Mission to Vesta and Ceres. , 2015, , .		10

The Dawn Mission to Vesta and Ceres. , 2015, , . 558

#	Article	IF	CITATIONS
559	International Sun Earth Explorers 1 & 2. , 2015, , 359-369.		0
560	Can magnetopause reconnection drive Saturn's magnetosphere?. Geophysical Research Letters, 2014, 41, 1862-1868.	4.0	25
561	Structure of a reconnection layer poleward of the cusp: Extreme density asymmetry and a guide field. Journal of Geophysical Research: Space Physics, 2014, 119, 7343-7362.	2.4	9
562	Generation and propagation of ion cyclotron waves in nonuniform magnetic field: Application to the corona and solar wind. Journal of Geophysical Research: Space Physics, 2014, 119, 8750-8763.	2.4	5
563	Detections and geologic context of local enrichments in olivine on Vesta with VIR/Dawn data. Journal of Geophysical Research E: Planets, 2014, 119, 2078-2108.	3.6	33
564	A temporary earth co-orbital linked to interplanetary field enhancements. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 443, L109-L113.	3.3	5
565	Generation of ion cyclotron waves in the corona and solar wind. Journal of Geophysical Research: Space Physics, 2014, 119, 1442-1454.	2.4	18
566	Olivineâ€rich exposures at Bellicia and Arruntia craters on (4) Vesta from Dawn <scp>FC</scp> . Meteoritics and Planetary Science, 2014, 49, 1831-1850.	1.6	20
567	ELECTROMAGNETIC WAVES NEAR THE PROTON CYCLOTRON FREQUENCY: <i>STEREO</i> OBSERVATIONS. Astrophysical Journal, 2014, 786, 123.	4.5	66
568	MULTI-FLUID MODEL OF A SUN-GRAZING COMET IN THE RAPIDLY IONIZING, MAGNETIZED LOW CORONA. Astrophysical Journal, 2014, 796, 42.	4.5	9
569	Composition and mineralogy of dark material units on Vesta. Icarus, 2014, 240, 58-72.	2.5	41
570	Thermal measurements of dark and bright surface features on Vesta as derived from Dawn/VIR. Icarus, 2014, 240, 36-57.	2.5	52
571	Geomorphology and structural geology of Saturnalia Fossae and adjacent structures in the northern hemisphere of Vesta. Icarus, 2014, 244, 23-40.	2.5	27
572	The geological nature of dark material on Vesta and implications for the subsurface structure. Icarus, 2014, 240, 3-19.	2.5	28
573	Asymmetric craters on Vesta: Impact on sloping surfaces. Planetary and Space Science, 2014, 103, 36-56.	1.7	34
574	Martian ionospheric responses to dynamic pressure enhancements in the solar wind. Journal of Geophysical Research: Space Physics, 2014, 119, 1272-1286.	2.4	59
575	Why have geomagnetic storms been so weak during the recent solar minimum and the rising phase of cycle 24?. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 107, 12-19.	1.6	30
576	Geologic mapping of ejecta deposits in Oppia Quadrangle, Asteroid (4) Vesta. Icarus, 2014, 244, 104-119.	2.5	13

#	Article	IF	CITATIONS
577	Imprint of the Rheasilvia impact on Vesta – Geologic mapping of quadrangles Gegania and Lucaria. Icarus, 2014, 244, 60-73.	2.5	15
578	The chronostratigraphy of protoplanet Vesta. Icarus, 2014, 244, 158-165.	2.5	26
579	Detection of serpentine in exogenic carbonaceous chondrite material on Vesta from Dawn FC data. Icarus, 2014, 239, 222-237.	2.5	34
580	A dynamo explanation for Mercury's anomalous magnetic field. Geophysical Research Letters, 2014, 41, 4127-4134.	4.0	52
581	Ion cyclotron waves at Mars: Occurrence and wave properties. Journal of Geophysical Research: Space Physics, 2014, 119, 5244-5258.	2.4	14
582	Reprint of: Resolved photometry of Vesta reveals physical properties of crater regolith. Planetary and Space Science, 2014, 103, 66-81.	1.7	14
583	Travel time classification of extreme solar events: Two families and an outlier. Geophysical Research Letters, 2014, 41, 6590-6594.	4.0	12
584	Crater depth-to-diameter distribution and surface properties of (4) vesta. Planetary and Space Science, 2014, 103, 57-65.	1.7	41
585	Morphology and formation ages of mid-sized post-Rheasilvia craters – Geology of quadrangle Tuccia, Vesta. Icarus, 2014, 244, 133-157.	2.5	27
586	Spectral diversity and photometric behavior of main-belt and near-Earth vestoids and (4) Vesta: A study in preparation for the Dawn encounter. Icarus, 2014, 235, 60-74.	2.5	19
587	Geologic map of the northern hemisphere of Vesta based on Dawn Framing Camera (FC) images. Icarus, 2014, 244, 41-59.	2.5	29
588	The unique geomorphology and physical properties of the Vestalia Terra plateau. Icarus, 2014, 244, 89-103.	2.5	33
589	The geology of the Marcia quadrangle of asteroid Vesta: Assessing the effects of large, young craters. Icarus, 2014, 244, 74-88.	2.5	36
590	The contamination of the surface of Vesta by impacts and the delivery of the dark material. Icarus, 2014, 240, 86-102.	2.5	28
591	Photometric behavior of spectral parameters in Vesta dark and bright regions as inferred by the Dawn VIR spectrometer. Icarus, 2014, 240, 20-35.	2.5	51
592	Vesta's north pole quadrangle Av-1 (Albana): Geologic map and the nature of the south polar basin antipodes. Icarus, 2014, 244, 13-22.	2.5	14
593	Small crater populations on Vesta. Planetary and Space Science, 2014, 103, 96-103.	1.7	54
594	Geologic mapping of Vesta. Planetary and Space Science, 2014, 103, 2-23.	1.7	55

#	Article	IF	CITATIONS
595	The Vesta gravity field, spin pole and rotation period, landmark positions, and ephemeris from the Dawn tracking and optical data. Icarus, 2014, 240, 103-117.	2.5	98
596	Constraining the cratering chronology of Vesta. Planetary and Space Science, 2014, 103, 131-142.	1.7	41
597	Lobate and flow-like features on asteroid Vesta. Planetary and Space Science, 2014, 103, 24-35.	1.7	42
598	Mass movement on Vesta at steep scarps and crater rims. Icarus, 2014, 244, 120-132.	2.5	49
599	The cratering record, chronology and surface ages of (4) Vesta in comparison to smaller asteroids and the ages of HED meteorites. Planetary and Space Science, 2014, 103, 104-130.	1.7	80
600	The evolution of coâ€orbiting material in the orbit of 2201 Oljato from 1980 to 2012 as deduced from Pioneer Venus Orbiter and Venus Express magnetic records. Meteoritics and Planetary Science, 2014, 49, 28-35.	1.6	18
601	The plasma depletion layer in Saturn's magnetosheath. Journal of Geophysical Research: Space Physics, 2014, 119, 121-130.	2.4	15
602	Small fresh impact craters on asteroid 4 Vesta: A compositional and geological fingerprint. Journal of Geophysical Research E: Planets, 2014, 119, 771-797.	3.6	12
603	Compositional evidence of magmatic activity on Vesta. Geophysical Research Letters, 2014, 41, 3038-3044.	4.0	12
604	Effects of crustal field rotation on the solar wind plasma interaction with Mars. Geophysical Research Letters, 2014, 41, 6563-6569.	4.0	80
605	Testing linear spectral unmixing on laboratory mixtures: Application to VIR data for asteroid Vesta. , 2014, , .		Ο
606	Vesta surface thermal properties map. Geophysical Research Letters, 2014, 41, 1438-1443.	4.0	46
607	International Sun-Earth Explorers 1 & 2. , 2014, , 1-10.		Ο
608	Sounding of the plasmasphere by Mid ontinent MAgnetoseismic Chain (McMAC) magnetometers. Journal of Geophysical Research: Space Physics, 2013, 118, 3077-3086.	2.4	44
609	Global photometric properties of Asteroid (4) Vesta observed with Dawn Framing Camera. Icarus, 2013, 226, 1252-1274.	2.5	68
610	Resolved photometry of Vesta reveals physical properties of crater regolith. Planetary and Space Science, 2013, 85, 198-213.	1.7	59
611	High-resolution Vesta Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. Planetary and Space Science, 2013, 85, 293-298.	1.7	26
612	Precise Calculation of Current Densities Via Four Spinning Spacecraft in a Tetrahedron Configuration. IEEE Transactions on Magnetics, 2013, 49, 5264-5269.	2.1	3

#	Article	IF	CITATIONS
613	Space experiments aboard the Lomonosov MSU satellite. Cosmic Research, 2013, 51, 427-433.	0.6	8
614	Comparing Dawn, Hubble Space Telescope, and ground-based interpretations of (4) Vesta. Icarus, 2013, 226, 1103-1114.	2.5	37
615	How unprecedented a solar minimum was it?. Journal of Advanced Research, 2013, 4, 253-258.	9.5	7
616	Olivine or impact melt: Nature of the "Orange―material on Vesta from Dawn. Icarus, 2013, 226, 1568-1594.	2.5	47
617	Observations of narrowband ion cyclotron waves on the surface of the Moon in the terrestrial magnetotail. Planetary and Space Science, 2013, 89, 21-28.	1.7	7
618	Venus Express observations of ULF and ELF waves in the Venus ionosphere: Wave properties and sources. Icarus, 2013, 226, 1527-1537.	2.5	11
619	Electromagnetic waves observed on a flight over a Venus electrical storm. Geophysical Research Letters, 2013, 40, 216-220.	4.0	6
620	High-velocity collisions from the lunar cataclysm recorded in asteroidal meteorites. Nature Geoscience, 2013, 6, 303-307.	12.9	113
621	Dawn completes its mission at 4 Vesta. Meteoritics and Planetary Science, 2013, 48, 2076-2089.	1.6	54
622	Mirrorâ€mode storms inside stream interaction regions and in the ambient solar wind: A kinetic study. Journal of Geophysical Research: Space Physics, 2013, 118, 17-28.	2.4	11
623	A global multispecies singleâ€fluid MHD study of the plasma interaction around Venus. Journal of Geophysical Research: Space Physics, 2013, 118, 321-330.	2.4	49
624	Solar wind observations at STEREO: 2007 - 2011. , 2013, , .		28
625	Large scale solar wind structure: Non-dipolar features and consequences. , 2013, , .		0
626	STEREO interplanetary shocks and foreshocks. AIP Conference Proceedings, 2013, , .	0.4	4
627	Solar wind plasma profiles during interplanetary field enhancements (IFEs): Consistent with charged-dust pickup. AIP Conference Proceedings, 2013, , .	0.4	8
628	Statistical study of foreshock cavitons. Annales Geophysicae, 2013, 31, 2163-2178.	1.6	29
629	Distribution of iron on Vesta. Meteoritics and Planetary Science, 2013, 48, 2237-2251.	1.6	35
630	Lithologic mapping of <scp>HED</scp> terrains on Vesta using Dawn Framing Camera color data. Meteoritics and Planetary Science, 2013, 48, 2199-2210.	1.6	26
#	Article	IF	CITATIONS
-----	---	------	-----------
631	Vestan lithologies mapped by the visual and infrared spectrometer on Dawn. Meteoritics and Planetary Science, 2013, 48, 2185-2198.	1.6	75
632	Vesta's mineralogical composition as revealed by the visible and infrared spectrometer on Dawn. Meteoritics and Planetary Science, 2013, 48, 2166-2184.	1.6	87
633	Dawn; the Vesta– <scp>HED</scp> connection; and the geologic context for eucrites, diogenites, and howardites. Meteoritics and Planetary Science, 2013, 48, 2090-2104.	1.6	185
634	Chondritic models of 4 Vesta: Implications for geochemical and geophysical properties. Meteoritics and Planetary Science, 2013, 48, 2300-2315.	1.6	66
635	Neutron absorption constraints on the composition of 4 Vesta. Meteoritics and Planetary Science, 2013, 48, 2211-2236.	1.6	47
636	Overview of the composition of asteroid 4 Vesta: Constraints from the Dawn spacecraft mission and <scp>HED</scp> s. Meteoritics and Planetary Science, 2013, 48, 2073-2075.	1.6	4
637	Olivine in an unexpected location on Vesta's surface. Nature, 2013, 504, 122-125.	27.8	82
638	THE VERY UNUSUAL INTERPLANETARY CORONAL MASS EJECTION OF 2012 JULY 23: A BLAST WAVE MEDIATED BY SOLAR ENERGETIC PARTICLES. Astrophysical Journal, 2013, 770, 38.	4.5	123
639	Planetary Upstream Waves. Geophysical Monograph Series, 2013, , 75-86.	0.1	6
640	Wave Activity Associated with the Low Beta Collisionless Shock. Geophysical Monograph Series, 2013, , 99-106.	0.1	3
641	Massâ€wasting features and processes in Vesta's south polar basin Rheasilvia. Journal of Geophysical Research E: Planets, 2013, 118, 2279-2294.	3.6	30
642	Composition of the Rheasilvia basin, a window into Vesta's interior. Journal of Geophysical Research E: Planets, 2013, 118, 335-346.	3.6	84
643	Thermal analysis of unusual local-scale features on the surface of Vesta. , 2013, , .		0
644	Long Term Variations in the Solar Wind of Importance to ULF Phenomena. Geophysical Monograph Series, 2013, , 67-74.	0.1	3
645	Near-Tail Reconnection as the Cause of Cometary Tail Disconnections. Special Publications, 2013, , 1417-1423.	0.0	0
646	Simultaneous Observation of Pc 3,4 Pulsations in the Magnetosphere and at Multiple Ground Stations. Geophysical Monograph Series, 2013, , 311-323.	0.1	8
647	The Structure of the Magnetopause. Geophysical Monograph Series, 2013, , 81-98.	0.1	34
648	On the relationship between magnetic cloud field polarity and geoeffectiveness. Annales Geophysicae, 2012, 30, 1037-1050.	1.6	27

#	Article	IF	CITATIONS
649	NetPICOmag: A low-cost networked magnetometer and its applications. Earth, Planets and Space, 2012, 64, 279-297.	2.5	2
650	Distinctive space weathering on Vesta from regolith mixing processes. Nature, 2012, 491, 79-82.	27.8	120
651	First Resolved Observations of the Demagnetized Electron-Diffusion Region of an Astrophysical Magnetic-Reconnection Site. Physical Review Letters, 2012, 108, 225005.	7.8	55
652	Dark material on Vesta from the infall of carbonaceous volatile-rich material. Nature, 2012, 491, 83-86.	27.8	151
653	In-flight calibration of the spin axis offset of a fluxgate magnetometer with an electron drift instrument. Measurement Science and Technology, 2012, 23, 105003.	2.6	13
654	Whistler waves associated with weak interplanetary shocks. Journal of Geophysical Research, 2012, 117, .	3.3	21
655	Giant flux ropes observed in the magnetized ionosphere at Venus. Geophysical Research Letters, 2012, 39, .	4.0	16
656	Observations of ICMEs and ICME-like Solar Wind Structures from 2007 – 2010 Using Near-Earth and STEREO Observations. Solar Physics, 2012, 281, 391.	2.5	30
657	High resolution Vesta High Altitude Mapping Orbit (HAMO) Atlas derived from Dawn framing camera images. Planetary and Space Science, 2012, 73, 283-286.	1.7	51
658	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. Journal of Geophysical Research, 2012, 117, .	3.3	143
659	Elemental Mapping by Dawn Reveals Exogenic H in Vesta's Regolith. Science, 2012, 338, 242-246.	12.6	201
660	Pitted Terrain on Vesta and Implications for the Presence of Volatiles. Science, 2012, 338, 246-249.	12.6	91
661	Interpreting some properties of CIRs and their associated shocks during the last two solar minima using global MHD simulations. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 83, 11-21.	1.6	12
662	Reconnection at the magnetopause of Saturn: Perspective from FTE occurrence and magnetosphere size. Journal of Geophysical Research, 2012, 117, .	3.3	50
663	Observations of quasiâ€perpendicular propagating electromagnetic waves near the ionopause current sheet of Venus. Journal of Geophysical Research, 2012, 117, .	3.3	1
664	Waves upstream and downstream of interplanetary shocks driven by coronal mass ejections. Journal of Geophysical Research, 2012, 117, .	3.3	53
665	Whistler mode bursts in the Venus ionosphere due to lightning: Statistical properties using Venus Express magnetometer observations. Journal of Geophysical Research, 2012, 117, .	3.3	10
666	The importance of plasma <i>β</i> conditions for magnetic reconnection at Saturn's magnetopause. Geophysical Research Letters, 2012, 39, .	4.0	102

#	Article	IF	CITATIONS
667	Largeâ€scale troughs on Vesta: A signature of planetary tectonics. Geophysical Research Letters, 2012, 39, .	4.0	63
668	Saturn's high degree magnetic moments: Evidence for a unique planetary dynamo. Icarus, 2012, 221, 388-394.	2.5	32
669	Delivery of dark material to Vesta via carbonaceous chondritic impacts. Icarus, 2012, 221, 544-559.	2.5	152
670	DETECTION OF WIDESPREAD HYDRATED MATERIALS ON VESTA BY THE VIR IMAGING SPECTROMETER ON BOARD THE <i>DAWN</i> MISSION. Astrophysical Journal Letters, 2012, 758, L36.	8.3	117
671	Dawn at Vesta: Testing the Protoplanetary Paradigm. Science, 2012, 336, 684-686.	12.6	422
672	A statistical analysis of the association between fast plasma flows and Pi2 pulsations. Journal of Geophysical Research, 2012, 117, .	3.3	22
673	Vesta's Shape and Morphology. Science, 2012, 336, 687-690.	12.6	222
674	The Geologically Recent Giant Impact Basins at Vesta's South Pole. Science, 2012, 336, 694-697.	12.6	194
675	Spectroscopic Characterization of Mineralogy and Its Diversity Across Vesta. Science, 2012, 336, 697-700.	12.6	240
676	The Violent Collisional History of Asteroid 4 Vesta. Science, 2012, 336, 690-694.	12.6	209
677	Color and Albedo Heterogeneity of Vesta from Dawn. Science, 2012, 336, 700-704.	12.6	166
678	Magnetic Reconnection in the Near Venusian Magnetotail. Science, 2012, 336, 567-570.	12.6	109
679	Uranus Pathfinder: exploring the origins and evolution of Ice Giant planets. Experimental Astronomy, 2012, 33, 753-791.	3.7	44
680	The Radial Variation of Interplanetary Shocks in the Inner Heliosphere: Observations by Helios, MESSENGER, and STEREO. Solar Physics, 2012, 278, 421-433.	2.5	10
681	Foreword. The Lunar Crater Observation Sensing Satellite (LCROSS). Space Science Reviews, 2012, 167, 1-2.	8.1	2
682	Comparisons of Cassini flybys of the Titan magnetospheric interaction with an MHD model: Evidence for organized behavior at high altitudes. Icarus, 2012, 217, 43-54.	2.5	8
683	Perpendicular flow deviation in a magnetized counter-streaming plasma. Icarus, 2012, 218, 895-905.	2.5	20
684	Investigating magnetospheric interaction effects on Titan's ionosphere with the Cassini orbiter Ion Neutral Mass Spectrometer, Langmuir Probe and magnetometer observations during targeted flybys. Icarus, 2012, 219, 534-555.	2.5	15

#	Article	IF	CITATIONS
685	Evidence of a Global Magma Ocean in Io's Interior. Science, 2011, 332, 1186-1189.	12.6	115
686	Flux transport, dipolarization, and current sheet evolution during a double-onset substorm. Journal of Geophysical Research, 2011, 116, .	3.3	35
687	Interactions of the heliospheric current and plasma sheets with the bow shock: Cluster and Polar observations in the magnetosheath. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	5
688	Far tail (255 <i>R</i> _{<i>E</i>}) fast response to very weak magnetic activity. Journal of Geophysical Research, 2011, 116, .	3.3	3
689	Uneven compression levels of Earth's magnetic fields by shocked solar wind. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	9
690	Correction to "Pressure changes associated with substorm depolarization in the near-Earth plasma sheet― Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	0
691	Foreshock cavitons for different interplanetary magnetic field geometries: Simulations and observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	59
692	Cassini magnetometer observations over the Enceladus poles. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	10
693	Intense plasma wave emissions associated with Saturn's moon Rhea. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	32
694	Probing Saturn's ion cyclotron waves on high-inclination orbits: Lessons for wave generation. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
695	Dual observations of interplanetary shocks associated with stream interaction regions. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	9
696	The importance of thermal electron heating in Titan's ionosphere: Comparison with Cassini T34 flyby. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	11
697	Periodic motion of Saturn's nightside plasma sheet. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	84
698	Multisatellite observations of a giant pulsation event. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	43
699	Saturn's very axisymmetric magnetic field: No detectable secular variation or tilt. Earth and Planetary Science Letters, 2011, 304, 22-28.	4.4	70
700	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
701	THEMIS observations of double-onset substorms and their association with IMF variations. Annales Geophysicae, 2011, 29, 591-611.	1.6	4
702	Interplanetary conditions: lessons from this minimum. Proceedings of the International Astronomical Union, 2011, 7, 168-178.	0.0	3

#	Article	IF	CITATIONS
703	Comparative study of ion cyclotron waves at Mars, Venus and Earth. Planetary and Space Science, 2011, 59, 1039-1047.	1.7	31
704	Venus lightning: Comparison with terrestrial lightning. Planetary and Space Science, 2011, 59, 965-973.	1.7	35
705	Ultraviolet spectroscopy of Asteroid (4) Vesta. Icarus, 2011, 216, 640-649.	2.5	11
706	First Results from ARTEMIS, a New Two-Spacecraft Lunar Mission: Counter-Streaming Plasma Populations in the Lunar Wake. Space Science Reviews, 2011, 165, 93-107.	8.1	44
707	ARTEMIS Science Objectives. Space Science Reviews, 2011, 165, 59-91.	8.1	47
708	Comparing Solar Minimum 23/24 with Historical Solar Wind Records at 1 AU. Solar Physics, 2011, 274, 321-344.	2.5	128
709	Comparison of Observations at ACE and Ulysses with Enlil Model Results: Stream Interaction Regions During Carrington Rotations 2016 – 2018. Solar Physics, 2011, 273, 179-203.	2.5	53
710	The Dawn Mission to Vesta and Ceres. Space Science Reviews, 2011, 163, 3-23.	8.1	184
711	Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. Space Science Reviews, 2011, 164, 1-83.	8.1	40
712	Improved measurement of Asteroid (4) Vesta's rotational axis orientation. Icarus, 2011, 211, 528-534.	2.5	18
713	Unusually strong magnetic fields in Titan's ionosphere: T42 case study. Advances in Space Research, 2011, 48, 314-322.	2.6	11
714	Dipolarization fronts in the magnetotail plasma sheet. Planetary and Space Science, 2011, 59, 517-525.	1.7	73
715	Multi-spacecraft study of foreshock cavitons upstream of the quasi-parallel bow shock. Planetary and Space Science, 2011, 59, 705-714.	1.7	37
716	Multipoint ICME encounters: Pre-STEREO and STEREO observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1228-1241.	1.6	77
717	A SEARCH FOR SATELLITES AROUND CERES. Astronomical Journal, 2011, 141, 197.	4.7	3
718	Magnetic flux transfer in the 5 April 2010 Galaxy 15 substorm: an unprecedented observation. Annales Geophysicae, 2011, 29, 619-622.	1.6	31
719	The Dawn Mission to Vesta and Ceres. , 2011, , 3-23.		22
720	ARTEMIS Science Objectives. , 2011, , 27-59.		4

#	Article	IF	CITATIONS
721	THEMIS observations of two substorms on February 26, 2008. Science China Technological Sciences, 2010, 53, 1328-1337.	4.0	4
722	Organization of Energetic Particles by the Solar Wind Structure During the Declining to Minimum Phase ofÂSolar Cycle 23. Solar Physics, 2010, 263, 239-261.	2.5	12
723	Temporal Evolution of the Solar-Wind Electron Core Density at Solar Minimum by Correlating SWEA Measurements from STEREO A and B. Solar Physics, 2010, 266, 369-377.	2.5	5
724	Magnetic Fields of the Outer Planets. Space Science Reviews, 2010, 152, 251-269.	8.1	51
725	Titan's highly dynamic magnetic environment: A systematic survey of Cassini magnetometer observations from flybys TA–T62. Planetary and Space Science, 2010, 58, 1230-1251.	1.7	68
726	Reconnection sites in Jupiter's magnetotail and relation to Jovian auroras. Planetary and Space Science, 2010, 58, 1455-1469.	1.7	26
727	Dynamics of Saturn's magnetodisk near Titan's orbit: Comparison of Cassini magnetometer observations from real and virtual Titan flybys. Planetary and Space Science, 2010, 58, 1625-1635.	1.7	22
728	Comparison study of magnetic flux ropes in the ionospheres of Venus, Mars and Titan. Icarus, 2010, 206, 174-181.	2.5	20
729	Photometric mapping of Asteroid (4) Vesta's southern hemisphere with Hubble Space Telescope. Icarus, 2010, 208, 238-251.	2.5	88
730	Statistics of counter-streaming solar wind suprathermal electrons at solar minimum: STEREO observations. Annales Geophysicae, 2010, 28, 233-246.	1.6	24
731	Analysis of waves surrounding foreshock cavitons. , 2010, , .		12
732	Mirror Mode Structures in the Solar Wind: STEREO Observations. , 2010, , .		5
733	Interplanetary Field Enhancements: Observations from 0.3 AU to 1 AU. , 2010, , .		0
734	THEMIS observations of substorms on 26 February 2008 initiated by magnetotail reconnection. Journal of Geophysical Research, 2010, 115, .	3.3	44
735	Hybrid simulations of the plasma environment around Enceladus. Journal of Geophysical Research, 2010, 115, .	3.3	8
736	Interaction of Saturn's magnetosphere and its moons: 1. Interaction between corotating plasma and standard obstacles. Journal of Geophysical Research, 2010, 115, .	3.3	20
737	Venusian bow shock as seen by the ASPERAâ€4 ion instrument on Venus Express. Journal of Geophysical Research, 2010, 115,	3.3	9
738	Cassini observations of narrowband radio emissions in Saturn's magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	26

#	Article	IF	CITATIONS
739	Interaction of Saturn's magnetosphere and its moons: 2. Shape of the Enceladus plume. Journal of Geophysical Research, 2010, 115, .	3.3	11
740	Precursor activation and substorm expansion associated with observations of a dipolarization front by Time History of Events and Macroscale Interactions during Substorms (THEMIS). Journal of Geophysical Research, 2010, 115, .	3.3	20
741	Harmonic growth of ionâ€cyclotron waves in Saturn's magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	12
742	Galileo constraints on the secular variation of the Jovian magnetic field. Journal of Geophysical Research, 2010, 115, .	3.3	23
743	Upper limits on Titan's magnetic moment and implications for its interior. Journal of Geophysical Research, 2010, 115, .	3.3	19
744	How unprecedented a solar minimum?. Reviews of Geophysics, 2010, 48, .	23.0	128
745	Interplanetary field enhancements travel at the solar wind speed. Geophysical Research Letters, 2010, 37, .	4.0	8
746	Timeâ€varying magnetospheric environment near Enceladus as seen by the Cassini magnetometer. Geophysical Research Letters, 2010, 37, .	4.0	18
747	Hemispheric asymmetry of the magnetic field wrapping pattern in the Venusian magnetotail. Geophysical Research Letters, 2010, 37, .	4.0	61
748	Escape of O ⁺ through the distant tail plasma sheet. Geophysical Research Letters, 2010, 37,	4.0	16
749	Saturn's internal planetary magnetic field. Geophysical Research Letters, 2010, 37, .	4.0	83
750	Interaction of Saturn's magnetosphere and its moons: 3. Time variation of the Enceladus plume. Journal of Geophysical Research, 2010, 115, .	3.3	11
751	Multipoint connectivity analysis of the May 2007 solar energetic particle events. Journal of Geophysical Research, 2010, 115, .	3.3	8
752	Pressure changes associated with substorm depolarization in the nearâ€Earth plasma sheet. Journal of Geophysical Research, 2010, 115, .	3.3	14
753	Observations of ion cyclotron waves in the solar wind near 0.3 AU. Journal of Geophysical Research, 2010, 115, .	3.3	70
754	An explanation for the lack of ion cyclotron wave generation by pickup ions at Titan: 1â€Ð hybrid simulation results. Journal of Geophysical Research, 2010, 115, .	3.3	15
755	Correction to "Precursor activation and substorm expansion associated with observations of a dipolarization front by Thermal Emission Imaging System (THEMIS)†Journal of Geophysical Research, 2010, 115, n/a-n/a.	3.3	0
756	ION CYCLOTRON WAVES IN THE SOLAR WIND OBSERVED BY <i>STEREO</i> NEAR 1 AU. Astrophysical Journal, 2009, 701, L105-L109.	4.5	126

#	Article	IF	CITATIONS
757	Model of Saturn's internal planetary magnetic field based on Cassini observations. Planetary and Space Science, 2009, 57, 1706-1713.	1.7	42
758	Multispacecraft Observations of Magnetic Clouds andÂTheir Solar Origins between 19 and 23 May 2007. Solar Physics, 2009, 254, 325-344.	2.5	68
759	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
760	Effects of the Weak Polar Fields of Solar Cycle 23: Investigation Using OMNI for the STEREO Mission Period. Solar Physics, 2009, 256, 345-363.	2.5	51
761	Solar Wind Sources in the Late Declining Phase ofÂCycleÂ23: Effects of the Weak Solar Polar Field onÂHighÂSpeed Streams. Solar Physics, 2009, 256, 285-305.	2.5	65
762	Small Solar Wind Transients and Their Connection toÂtheÂLarge-Scale Coronal Structure. Solar Physics, 2009, 256, 327-344.	2.5	71
763	In Situ Observations of Solar Wind Stream Interface Evolution. Solar Physics, 2009, 259, 323-344.	2.5	23
764	Multi-Spacecraft Observations: Stream Interactions andÂAssociated Structures. Solar Physics, 2009, 259, 345-360.	2.5	32
765	Plasma electrons in Saturn's magnetotail: Structure, distribution and energisation. Planetary and Space Science, 2009, 57, 2032-2047.	1.7	41
766	THEMIS observation of a substorm event on 04:35, 22 February 2008. Annales Geophysicae, 2009, 27, 1831-1841.	1.6	16
767	Response to Comment on "Tail Reconnection Triggering Substorm Onset― Science, 2009, 324, 1391-1391.	12.6	45
768	An unusual current sheet in an ICME: Possible association with C/2006 P1 (McNaught). Geophysical Research Letters, 2009, 36, .	4.0	5
769	Fine jet structure of electrically charged grains in Enceladus' plume. Geophysical Research Letters, 2009, 36, .	4.0	86
770	Rotation period of Jupiter from the observation of its magnetic field. Geophysical Research Letters, 2009, 36, .	4.0	14
771	Disappearing induced magnetosphere at Venus: Implications for closeâ€in exoplanets. Geophysical Research Letters, 2009, 36, .	4.0	42
772	Plasma environment at Titan's orbit with Titan present and absent. Geophysical Research Letters, 2009, 36, .	4.0	22
773	Mirror mode structures in the solar wind at 0.72 AU. Journal of Geophysical Research, 2009, 114, .	3.3	43
774	Reply to comment by K. Liou and Y.â€L. Zhang on "Waveletâ€based ULF wave diagnosis of substorm expansion phase onset― Journal of Geophysical Research, 2009, 114, .	3.3	9

#	Article	IF	CITATIONS
775	Collisionless relaxation of ion distributions downstream of laminar quasiâ€perpendicular shocks. Journal of Geophysical Research, 2009, 114, .	3.3	51
776	Coronal magnetic field analysis with Faraday rotation observations of Alfven waves. Geophysical Research Letters, 2009, 36, .	4.0	6
777	STEREO observations of shock formation in the solar wind. Geophysical Research Letters, 2009, 36, .	4.0	17
778	Substorm onset timing via traveltime magnetoseismology. Geophysical Research Letters, 2009, 36, .	4.0	21
779	STEREO observations of upstream and downstream waves at low Mach number shocks. Geophysical Research Letters, 2009, 36, .	4.0	32
780	Mirrorâ€mode storms: STEREO observations of protracted generation of small amplitude waves. Geophysical Research Letters, 2009, 36, .	4.0	15
781	Sources of rotational signals in Saturn's magnetosphere. Journal of Geophysical Research, 2009, 114, .	3.3	74
782	Global hybrid simulations: Foreshock waves and cavitons under radial interplanetary magnetic field geometry. Journal of Geophysical Research, 2009, 114, .	3.3	96
783	THEMIS observations of consecutive bursts of Pi2 pulsations: The 20 April 2007 event. Journal of Geophysical Research, 2009, 114, .	3.3	4
784	Waveletâ€based ULF wave diagnosis of substorm expansion phase onset. Journal of Geophysical Research, 2009, 114, .	3.3	40
785	Timing and localization of nearâ€Earth tail and ionospheric signatures during a substorm onset. Journal of Geophysical Research, 2009, 114, .	3.3	22
786	Determining ion production rates near Saturn's extended neutral cloud from ion cyclotron wave amplitudes. Journal of Geophysical Research, 2009, 114, .	3.3	17
787	Timeâ€dependent global MHD simulations of Cassini T32 flyby: From magnetosphere to magnetosheath. Journal of Geophysical Research, 2009, 114, .	3.3	41
788	Asymmetric shear flow effects on magnetic field configuration within oppositely directed solar wind reconnection exhausts. Journal of Geophysical Research, 2009, 114, .	3.3	19
789	Timing and localization of ionospheric signatures associated with substorm expansion phase onset. Journal of Geophysical Research, 2009, 114, .	3.3	58
790	A stateâ€ofâ€theâ€art picture of substormâ€associated evolution of the nearâ€Earth magnetotail obtained from superposed epoch analysis. Journal of Geophysical Research, 2009, 114, .	3.3	107
791	Nearâ \in Earth initiation of a terrestrial substorm. Journal of Geophysical Research, 2009, 114, .	3.3	60
792	STUDY OF THE 2007 APRIL 20 CME-COMET INTERACTION EVENT WITH AN MHD MODEL. Astrophysical Journal, 2009, 696, L56-L60.	4.5	19

#	Article	IF	CITATIONS
793	Fundamental Plasma Processes in Saturn's Magnetosphere. , 2009, , 281-331.		59
794	Quasi-parallel whistler mode waves observed by THEMIS during near-earth dipolarizations. Annales Geophysicae, 2009, 27, 2259-2275.	1.6	83
795	Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum. Annales Geophysicae, 2009, 27, 3909-3922.	1.6	12
796	Stream Interactions and Interplanetary Coronal Mass Ejections atÂ0.72 AU. Solar Physics, 2008, 249, 85-101.	2.5	39
797	Stream Interactions and Interplanetary Coronal Mass Ejections at 5.3 AU near the Solar Ecliptic Plane. Solar Physics, 2008, 250, 375-402.	2.5	41
798	STEREO IMPACT Investigation Goals, Measurements, and Data Products Overview. Space Science Reviews, 2008, 136, 117-184.	8.1	257
799	The STEREO/IMPACT Magnetic Field Experiment. Space Science Reviews, 2008, 136, 203-226.	8.1	209
800	THEMIS Ground Based Observatory System Design. Space Science Reviews, 2008, 141, 213-233.	8.1	21
801	THEMIS Ground-Based Magnetometers. Space Science Reviews, 2008, 141, 389-412.	8.1	125
802	First Results from the THEMIS Mission. Space Science Reviews, 2008, 141, 453-476.	8.1	171
803	The THEMIS Array of Ground-based Observatories forÂthe Study of Auroral Substorms. Space Science Reviews, 2008, 141, 357-387.	8.1	274
804	The Upgraded CARISMA Magnetometer Array inÂtheÂTHEMIS Era. Space Science Reviews, 2008, 141, 413-451.	8.1	258
805	The Time History of Events and Macroscale Interactions during Substorms (THEMIS) Education and Outreach (E/PO) Program. Space Science Reviews, 2008, 141, 557-583.	8.1	12
806	Location of the bow shock and ion composition boundaries at Venus—initial determinations from Venus Express ASPERA-4. Planetary and Space Science, 2008, 56, 780-784.	1.7	64
807	Initial Venus Express magnetic field observations of the Venus bow shock location at solar minimum. Planetary and Space Science, 2008, 56, 785-789.	1.7	71
808	Initial Venus Express magnetic field observations of the magnetic barrier at solar minimum. Planetary and Space Science, 2008, 56, 790-795.	1.7	61
809	Evolution of solar wind structures from 0.72 to 1AU. Advances in Space Research, 2008, 41, 259-266.	2.6	34
810	Electromagnetic waves observed by Venus Express at periapsis: Detection and analysis techniques. Advances in Space Research, 2008, 41, 113-117.	2.6	9

#	Article	IF	CITATIONS
811	Magnetic portraits of Tethys and Rhea. Icarus, 2008, 193, 465-474.	2.5	56
812	Faraday rotation observations of CMEs. Geophysical Research Letters, 2008, 35, .	4.0	20
813	Discovery of very large amplitude whistlerâ€mode waves in Earth's radiation belts. Geophysical Research Letters, 2008, 35, .	4.0	249
814	First upstream proton cyclotron wave observations at Venus. Geophysical Research Letters, 2008, 35, .	4.0	42
815	Flux transfer events simultaneously observed by Polar and Cluster: Flux rope in the subsolar region and flux tube addition to the polar cusp. Journal of Geophysical Research, 2008, 113, .	3.3	13
816	Use of the Wignerâ€Ville distribution in interpreting and identifying ULF waves in triaxial magnetic records. Journal of Geophysical Research, 2008, 113, .	3.3	16
817	Saturn's magnetodisc current sheet. Journal of Geophysical Research, 2008, 113, .	3.3	89
818	Plasmoids in Saturn's magnetotail. Journal of Geophysical Research, 2008, 113, .	3.3	79
819	Warping of Saturn's magnetospheric and magnetotail current sheets. Journal of Geophysical Research, 2008, 113, .	3.3	148
820	An advanced approach to finding magnetometer zero levels in the interplanetary magnetic field. Measurement Science and Technology, 2008, 19, 055104.	2.6	64
821	Turbulent heating and crossâ€field transport near the magnetopause from THEMIS. Geophysical Research Letters, 2008, 35, .	4.0	84
822	Characteristic size and shape of the mirror mode structures in the solar wind at 0.72 AU. Geophysical Research Letters, 2008, 35, .	4.0	83
823	Titan's influence on Saturnian substorm occurrence. Geophysical Research Letters, 2008, 35, .	4.0	40
824	Mirror mode waves: Messengers from the coronal heating region. Geophysical Research Letters, 2008, 35, .	4.0	48
825	Highly periodic stormtime activations observed by THEMIS prior to substorm onset. Geophysical Research Letters, 2008, 35, .	4.0	3
826	Evidence for temporal variability of Enceladus' gas jets: Modeling of Cassini observations. Geophysical Research Letters, 2008, 35, .	4.0	78
827	Behavior of current sheets at directional magnetic discontinuities in the solar wind at 0.72 AU. Geophysical Research Letters, 2008, 35, .	4.0	31
828	Oneâ€dimensional hybrid simulations of planetary ion pickup: Effects of variable plasma and pickup conditions. Journal of Geophysical Research, 2008, 113, .	3.3	17

#	Article	IF	CITATIONS
829	Largeâ€scale dynamics of Saturn's magnetopause: Observations by Cassini. Journal of Geophysical Research, 2008, 113, .	3.3	86
830	A multiâ€instrument view of tail reconnection at Saturn. Journal of Geophysical Research, 2008, 113, .	3.3	48
831	Venus Express observations of atmospheric oxygen escape during the passage of several coronal mass ejections. Journal of Geophysical Research, 2008, 113, .	3.3	44
832	Venus Express observations of an atypically distant bow shock during the passage of an interplanetary coronal mass ejection. Journal of Geophysical Research, 2008, 113, .	3.3	24
833	Whistler mode waves from lightning on Venus: Magnetic control of ionospheric access. Journal of Geophysical Research, 2008, 113, .	3.3	49
834	Induced magnetosphere and its outer boundary at Venus. Journal of Geophysical Research, 2008, 113, .	3.3	44
835	Ionospheric localisation and expansion of longâ€period Pi1 pulsations at substorm onset. Geophysical Research Letters, 2008, 35, .	4.0	43
836	The Dust Halo of Saturn's Largest Icy Moon, Rhea. Science, 2008, 319, 1380-1384.	12.6	53
837	Tail Reconnection Triggering Substorm Onset. Science, 2008, 321, 931-935.	12.6	551
838	Initial Observations of Interplanetary Shocks by STEREO. AIP Conference Proceedings, 2008, , .	0.4	0
839	Reconstruction of the 2007 May 22 Magnetic Cloud: How Much Can We Trust the Flux-Rope Geometry of CMEs?. Astrophysical Journal, 2008, 677, L133-L136.	4.5	74
840	Space weather at Venus and its potential consequences for atmosphere evolution. Journal of Geophysical Research, 2007, 112, .	3.3	54
841	Venus upper atmosphere and plasma environment: Critical issues for future exploration. Geophysical Monograph Series, 2007, , 139-156.	0.1	12
842	Experiencing Venus: Clues to the origin, evolution, and chemistry of terrestrial planets via in-situ exploration of our sister world. Geophysical Monograph Series, 2007, , 171-189.	0.1	7
843	1D hybrid simulations of planetary ion-pickup: Energy partition. Geophysical Research Letters, 2007, 34,	4.0	16
844	Mass of Saturn's magnetodisc: Cassini observations. Geophysical Research Letters, 2007, 34, .	4.0	57
845	Mass loading of Saturn's magnetosphere near Enceladus. Journal of Geophysical Research, 2007, 112, .	3.3	64
846	One-dimensional hybrid simulations of obliquely propagating ion cyclotron waves: Application to ion pickup at Io. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	11

#	Article	IF	CITATIONS
847	Measuring the stress state of the Saturnian magnetosphere. Geophysical Research Letters, 2007, 34, .	4.0	11
848	Strong rapid dipolarizations in Saturn's magnetotail: In situ evidence of reconnection. Geophysical Research Letters, 2007, 34, .	4.0	93
849	Cold ionospheric plasma in Titan's magnetotail. Geophysical Research Letters, 2007, 34, .	4.0	25
850	Determination of substorm onset timing and location using the THEMIS ground based observatories. Geophysical Research Letters, 2007, 34, .	4.0	21
851	Five spacecraft observations of oppositely directed exhaust jets from a magnetic reconnection Xâ€line extending > 4.26 × 10 ⁶ km in the solar wind at 1 AU. Geophysical Research Letters, 2007, 34, .	4.0	53
852	3D global multiâ€species Hallâ€MHD simulation of the Cassini T9 flyby. Geophysical Research Letters, 2007, 34, .	4.0	58
853	Cassini observations of the variation of Saturn's ring current parameters with system size. Journal of Geophysical Research, 2007, 112, .	3.3	108
854	Interaction of the bow shock with a tangential discontinuity and solar wind density decrease: Observations of predicted fast mode waves and magnetosheath merging. Journal of Geophysical Research, 2007, 112, .	3.3	26
855	On the 60-year signal from the core. Geophysical and Astrophysical Fluid Dynamics, 2007, 101, 11-35.	1.2	56
856	Growth phase of Jovian substorms. Geophysical Research Letters, 2007, 34, .	4.0	19
857	Coupling of system resource margins through the use of electric propulsion: Implications in preparing for the Dawn mission to Ceres and Vesta. Acta Astronautica, 2007, 60, 930-938.	3.2	47
858	The Analyser of Space Plasmas and Energetic Atoms (ASPERA-4) for the Venus Express mission. Planetary and Space Science, 2007, 55, 1772-1792.	1.7	214
859	Lightning on Venus inferred from whistler-mode waves in the ionosphere. Nature, 2007, 450, 661-662.	27.8	99
860	Little or no solar wind enters Venus' atmosphere at solar minimum. Nature, 2007, 450, 654-656.	27.8	79
861	The loss of ions from Venus through the plasma wake. Nature, 2007, 450, 650-653.	27.8	168
862	Dawn Mission to Vesta and Ceres. Earth, Moon and Planets, 2007, 101, 65-91.	0.6	125
863	Upstream whistler-mode waves at planetary bow shocks: A brief review. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1739-1746.	1.6	24
864	Ion-cyclotron wave generation by planetary ion pickup. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1723-1738.	1.6	21

#	Article	IF	CITATIONS
865	Polar survey of magnetic field in near tail: Reconnection rare inside 9 RE. Geophysical Research Letters, 2006, 33, .	4.0	20
866	Ion cyclotron waves in Saturn's E ring: Initial Cassini observations. Geophysical Research Letters, 2006, 33, .	4.0	65
867	Large-amplitude electrostatic waves associated with magnetic ramp substructure at Earth's bow shock. Geophysical Research Letters, 2006, 33, .	4.0	33
868	Orientation, location, and velocity of Saturn's bow shock: Initial results from the Cassini spacecraft. Journal of Geophysical Research, 2006, 111, .	3.3	50
869	Dependence of flux transfer events on solar wind conditions from 3 years of Cluster observations. Journal of Geophysical Research, 2006, 111, .	3.3	43
870	Macrostructure of collisionless bow shocks: 2. ULF waves in the foreshock and magnetosheath. Journal of Geophysical Research, 2006, 111, .	3.3	82
871	Modeling the size and shape of Saturn's magnetopause with variable dynamic pressure. Journal of Geophysical Research, 2006, 111, .	3.3	133
872	Tamao travel time of sudden impulses and its relationship to ionospheric convection vortices. Journal of Geophysical Research, 2006, 111, .	3.3	34
873	Ceres, Vesta, and Pallas: Protoplanets, not asteroids. Eos, 2006, 87, 105.	0.1	22
874	Proton cyclotron waves at Mars: Exosphere structure and evidence for a fast neutral disk. Geophysical Research Letters, 2006, 33, .	4.0	37
875	Magnetospheric current systems during stormtime sawtooth events. Journal of Geophysical Research, 2006, 111, .	3.3	43
876	Titan's near magnetotail from magnetic field and electron plasma observations and modeling: Cassini flybys TA, TB, and T3. Journal of Geophysical Research, 2006, 111, .	3.3	82
877	Nature of magnetic fluctuations in Saturn's middle magnetosphere. Journal of Geophysical Research, 2006, 111, .	3.3	47
878	Mirror mode structures in the Jovian magnetosheath. Journal of Geophysical Research, 2006, 111, .	3.3	88
879	One-dimensional hybrid simulations of planetary ion pickup: Techniques and verification. Journal of Geophysical Research, 2006, 111, .	3.3	13
880	Identification of a Dynamic Atmosphere at Enceladus with the Cassini Magnetometer. Science, 2006, 311, 1406-1409.	12.6	338
881	A regular period for Saturn's magnetic field that may track its internal rotation. Nature, 2006, 441, 62-64.	27.8	113
882	Dawn: A mission in development for exploration of main belt asteroids Vesta and Ceres. Acta Astronautica, 2006, 58, 605-616.	3.2	178

#	Article	IF	CITATIONS
883	Proton cyclotron waves at Mars and Venus. Advances in Space Research, 2006, 38, 745-751.	2.6	32
884	Photometric analysis of 1 Ceres and surface mapping from HST observations. Icarus, 2006, 182, 143-160.	2.5	117
885	Magnetic field investigation of the Venus plasma environment: Expected new results from Venus Express. Planetary and Space Science, 2006, 54, 1336-1343.	1.7	235
886	The solar wind interaction with Venus through the eyes of the Pioneer Venus Orbiter. Planetary and Space Science, 2006, 54, 1482-1495.	1.7	89
887	Lightning detection on the Venus Express mission. Planetary and Space Science, 2006, 54, 1344-1351.	1.7	23
888	Properties of Stream Interactions at One AU During 1995 – 2004. Solar Physics, 2006, 239, 337-392.	2.5	234
889	Properties of Interplanetary Coronal Mass Ejections at One AU During 1995 – 2004. Solar Physics, 2006, 239, 393-436.	2.5	277
890	Alfvénic Electron Acceleration in Aurora Occurs in Global Alfvén Resonosphere Region. Space Science Reviews, 2006, 122, 89-95.	8.1	19
891	Ceres: High-resolution imaging with HST and the determination of physical properties. Advances in Space Research, 2006, 38, 2039-2042.	2.6	13
892	Dawn Discovery mission to Vesta and Ceres: Present status. Advances in Space Research, 2006, 38, 2043-2048.	2.6	26
893	ULF waves and their influence on bow shock and magnetosheath structures. Advances in Space Research, 2006, 37, 1522-1531.	2.6	18
894	Dawn Discovery Mission: Symbiosis with 1 AU Observations. Highlights of Astronomy, 2005, 13, 730-736.	0.0	1
895	IMPACT: Science goals and firsts with STEREO. Advances in Space Research, 2005, 36, 1534-1543.	2.6	23
896	Differentiation of the asteroid Ceres as revealed by its shape. Nature, 2005, 437, 224-226.	27.8	263
897	A new parameter to define interplanetary coronal mass ejections. Advances in Space Research, 2005, 35, 2178-2184.	2.6	35
898	ON DEFINING INTERPLANETARY CORONAL MASS EJECTIONs FROM FLUID PARAMETERS. Solar Physics, 2005, 229, 323-344.	2.5	29
899	Cassini Magnetometer Observations During Saturn Orbit Insertion. Science, 2005, 307, 1266-1270.	12.6	211
900	Titan's Magnetic Field Signature During the First Cassini Encounter. Science, 2005, 308, 992-995.	12.6	133

#	Article	IF	CITATIONS
901	On the relationships between double-onset substorm, pseudobreakup, and IMF variation: The 4 September 1999 event. Journal of Geophysical Research, 2005, 110, .	3.3	12
902	Density enhancement in plasmasphere-ionosphere plasma during the 2003 Halloween Superstorm: Observations along the 330th magnetic meridian in North America. Geophysical Research Letters, 2005, 32, .	4.0	52
903	On the source of Pc1-2 waves in the plasma mantle. Journal of Geophysical Research, 2005, 110, .	3.3	16
904	Structure of the magnetic pileup boundary at Mars and Venus. Journal of Geophysical Research, 2005, 110, .	3.3	63
905	Electron signatures of active merging sites on the magnetopause. Journal of Geophysical Research, 2005, 110, .	3.3	2
906	On the possibility of fast neutral production of the inner Io torus. Journal of Geophysical Research, 2005, 110, .	3.3	2
907	Dual-satellite observations of the motions of flux transfer events: Statistical analysis with ISEE 1 and ISEE 2. Journal of Geophysical Research, 2005, 110, .	3.3	13
908	Some properties of Alfvén waves: Observations in the tail lobes and the plasma sheet boundary layer. Journal of Geophysical Research, 2005, 110, .	3.3	61
909	Heliospheric energetic particle observations during the October-November 2003 events. Journal of Geophysical Research, 2005, 110, .	3.3	42
910	Polar study of ionospheric ion outflow versus energy input. Journal of Geophysical Research, 2005, 110, .	3.3	49
911	Variability in Saturn's bow shock and magnetopause from Pioneer and Voyager: Probabilistic predictions and initial observations by Cassini. Geophysical Research Letters, 2005, 32, .	4.0	19
912	Dynamics of the Saturnian inner magnetosphere: First inferences from the Cassini magnetometers about small-scale plasma transport in the magnetosphere. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	44
913	Warm flux tubes in the E-ring plasma torus: Initial Cassini magnetometer observations. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	33
914	Ion cyclotron waves in the Saturnian magnetosphere associated with Cassini's engine exhaust. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	4
915	Travel-time magnetoseismology: Magnetospheric sounding by timing the tremors in space. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	29
916	Pi2 pulsations observed from the Polar satellite outside the plasmapause. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	22
917	Pc 1 waves and associated unstable distributions of magnetospheric protons observed during a solar wind pressure pulse. Journal of Geophysical Research, 2005, 110, .	3.3	62
918	Initial results of high-latitude magnetopause and low-latitude flank flux transfer events from 3 years of Cluster observations. Journal of Geophysical Research, 2005, 110, .	3.3	52

#	Article	IF	CITATIONS
919	Comment on "Steady state slow shock inside the Earth's magnetosheath: To be or not to be? 1. The original observation revisited―by D. Hubert and A. Samsonov. Journal of Geophysical Research, 2005, 110, .	3.3	3
920	Macrostructure of collisionless bow shocks: 1. Scale lengths. Journal of Geophysical Research, 2005, 110, .	3.3	70
921	Morphology of the ring current derived from magnetic field observations. Annales Geophysicae, 2004, 22, 1267-1295.	1.6	137
922	The Cassini Magnetic Field Investigation. Space Science Reviews, 2004, 114, 331-383.	8.1	434
923	Dawn: A journey in space and time. Planetary and Space Science, 2004, 52, 465-489.	1.7	100
924	Io as the trigger of energetic electron disturbances in the inner Jovian magnetosphere. Advances in Space Research, 2004, 34, 2242-2246.	2.6	4
925	Ion injections and magnetic field oscillations near the high-latitude magnetopause associated with solar wind dynamic pressure enhancement. Journal of Geophysical Research, 2004, 109, .	3.3	15
926	The Cassini Magnetic Field Investigation. , 2004, , 331-383.		26
927	ICME Identification from Solar Wind Ion Measurements. Solar Physics, 2003, 216, 285-294.	2.5	16
928	Ion cyclotron waves at Io: implications for the temporal variation of Io's atmosphere. Planetary and Space Science, 2003, 51, 937-944.	1.7	22
929	Ion cyclotron waves in Io's wake region. Planetary and Space Science, 2003, 51, 233-238.	1.7	12
930	Polar observations of transverse magnetic pulsations initiated at substorm onset in the high-latitude plasma sheet. Journal of Geophysical Research, 2003, 108, .	3.3	5
931	Plasma depletion layer: Event studies with a global model. Journal of Geophysical Research, 2003, 108, SMP 8-1.	3.3	28
932	Electrodynamics of a substorm-related field line resonance observed by the Polar satellite in comparison with ground Pi2 pulsations. Journal of Geophysical Research, 2003, 108, .	3.3	19
933	Characterizing the long-period ULF response to magnetic storms. Journal of Geophysical Research, 2003, 108, .	3.3	54
934	Hybrid simulations of solar wind interaction with magnetized asteroids: Comparison with Galileo observations near Gaspra and Ida. Journal of Geophysical Research, 2003, 108, .	3.3	41
935	Reply to comment on "MeV magnetosheath ions energized at the bow shock―by J. Chen, T. A. Fritz, and R. B. Sheldon. Journal of Geophysical Research, 2003, 108, .	3.3	8
936	Possible dipole tilt dependence of dayside magnetopause reconnection. Geophysical Research Letters, 2003, 30, .	4.0	41

#	Article	IF	CITATIONS
937	Reply to comment by M. W. Liemohn and A. J. Ridley on "Nonlinear response of the polar ionosphere to large values of the interplanetary electric field― Journal of Geophysical Research, 2003, 108, .	3.3	4
938	Gamma-ray and neutron spectrometer for the Dawn mission to 1 Ceres and 4 Vesta. IEEE Transactions on Nuclear Science, 2003, 50, 1190-1197.	2.0	36
939	Heliospheric Constellation: Understanding the Structure and Evolution of the Solar Wind. AIP Conference Proceedings, 2003, , .	0.4	1
940	A sigma–delta fluxgate magnetometer for space applications. Measurement Science and Technology, 2003, 14, 1003-1012.	2.6	40
941	Possible Distortion of the Interplanetary Magnetic Field by the Dust Trail of Comet 122P/de Vico. Astrophysical Journal, 2003, 597, L61-L64.	4.5	13
942	A model of the formation of the low-latitude boundary layer for northward IMF by reconnection: A summary and review. Geophysical Monograph Series, 2003, , 121-130.	0.1	8
943	Polar, Cluster and SuperDARN evidence for high-latitude merging during southward IMF: temporal/spatial evolution. Annales Geophysicae, 2003, 21, 2233-2258.	1.6	18
944	Long-wavelength mirror modes in multispecies plasmas with arbitrary distributions. Journal of Geophysical Research, 2002, 107, SSH 1-1-SSH 1-6.	3.3	15
945	Progress in planetary lightning. Reports on Progress in Physics, 2002, 65, 955-997.	20.1	61
946	Relationship between multiple substorm onsets and the IMF: A case study. Journal of Geophysical Research, 2002, 107, SMP 11-1.	3.3	12
947	Probabilistic models of the Jovian magnetopause and bow shock locations. Journal of Geophysical Research, 2002, 107, SMP 17-1.	3.3	195
948	Polar-Interball coordinated observations of plasma and magnetic field characteristics in the regions of the northern and southern distant cusps. Journal of Geophysical Research, 2002, 107, SMP 2-1.	3.3	23
949	Modeling the ring current magnetic field during storms. Journal of Geophysical Research, 2002, 107, SMP 3-1.	3.3	34
950	Evidence for kinetic Alfvén waves and parallel electron energization at 4-6REaltitudes in the plasma sheet boundary layer. Journal of Geophysical Research, 2002, 107, SMP 24-1-SMP 24-15.	3.3	271
951	Plasma sheet electromagnetic power generation and its dissipation along auroral field lines. Journal of Geophysical Research, 2002, 107, SMP 14-1-SMP 14-20.	3.3	90
952	Correlation of Alfvén wave Poynting flux in the plasma sheet at 4–7REwith ionospheric electron energy flux. Journal of Geophysical Research, 2002, 107, SMP 24-1.	3.3	105
953	Reply to comment by T. Kikuchi and T. Araki on "Propagation of the preliminary reverse impulse of sudden commencements to low latitudes― Journal of Geophysical Research, 2002, 107, SMP 33-1-SMP 33-2.	3.3	8
954	Hybrid simulations of solar wind interaction with magnetized asteroids: General characteristics. Journal of Geophysical Research, 2002, 107, SSH 12-1-SSH 12-10.	3.3	70

#	Article	IF	CITATIONS
955	Effect of the orientation of interplanetary shock on the geomagnetic sudden commencement. Journal of Geophysical Research, 2002, 107, SMP 6-1-SMP 6-10.	3.3	61
956	Flux transfer events in global numerical simulations of the magnetosphere. Journal of Geophysical Research, 2002, 107, SMP 1-1.	3.3	44
957	Comparison of three magnetopause prediction models under extreme solarwind conditions. Journal of Geophysical Research, 2002, 107, SMP 3-1.	3.3	24
958	Fingerprints of collisionless reconnection at the separator, I, Ambipolar-Hall signatures. Journal of Geophysical Research, 2002, 107, SMP 13-1.	3.3	74
959	Observations of two types of Pc 1-2 pulsations in the outer dayside magnetosphere. Journal of Geophysical Research, 2002, 107, SMP 20-1-SMP 20-20.	3.3	99
960	On consecutive bursts of low-latitude Pi2 pulsations. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1809-1821.	1.6	10
961	The true dimensions of interplanetary coronal mass ejections. Advances in Space Research, 2002, 29, 301-306.	2.6	29
962	In defense of the term ICME. Eos, 2001, 82, 434-434.	0.1	10
963	Inversion studies of magnetic cloud structure at 0.7 AU: Solar cycle variation. Geophysical Research Letters, 2001, 28, 891-894.	4.0	10
964	Factors controlling the diamagnetic pressure in the polar cusp. Geophysical Research Letters, 2001, 28, 915-918.	4.0	7
965	The Io mass-loading disk: Constraints provided by ion cyclotron wave observations. Journal of Geophysical Research, 2001, 106, 26233-26242.	3.3	28
966	The Io mass‐loading disk: Model calculations. Journal of Geophysical Research, 2001, 106, 26243-26260.	3.3	30
967	The Io mass-loading disk: Wave dispersion analysis. Journal of Geophysical Research, 2001, 106, 26261-26275.	3.3	24
968	Magnetometer measurements from the Cassini Earth swing-by. Journal of Geophysical Research, 2001, 106, 30109-30128.	3.3	17
969	Nonlinear response of the polar ionosphere to large values of the interplanetary electric field. Journal of Geophysical Research, 2001, 106, 18495-18504.	3.3	88
970	MeV magnetosheath ions energized at the bow shock. Journal of Geophysical Research, 2001, 106, 19101-19115.	3.3	15
971	Pc1 pearls revisited: Structured electromagnetic ion cyclotron waves on Polar satellite and on ground. Journal of Geophysical Research, 2001, 106, 29543-29553.	3.3	60
972	Two distinct substorm onsets. Journal of Geophysical Research, 2001, 106, 13105-13118.	3.3	49

#	Article	IF	CITATIONS
973	Electromagnetic ion cyclotron waves in the high-altitude cusp: Polar observations. Journal of Geophysical Research, 2001, 106, 19067-19079.	3.3	51
974	Multispacecraft modeling of the flux rope structure of interplanetary coronal mass ejections: Cylindrically symmetric versus nonsymmetric topologies. Journal of Geophysical Research, 2001, 106, 10581-10596.	3.3	126
975	Evidence for sulfur dioxide, sulfur monoxide, and hydrogen sulfide in the Io exosphere. Journal of Geophysical Research, 2001, 106, 33267-33272.	3.3	32
976	The rotation period of Jupiter. Geophysical Research Letters, 2001, 28, 1911-1912.	4.0	26
977	Multiple spacecraft flux rope modeling of the Bastille Day magnetic cloud. Geophysical Research Letters, 2001, 28, 4417-4420.	4.0	27
978	In-flight calibration of the NEAR magnetometer. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 907-917.	6.3	19
979	Reconnection at the high-latitude magnetopause during northward interplanetary magnetic field conditions. Journal of Geophysical Research, 2001, 106, 25467-25488.	3.3	158
980	Galileo observations of ion cyclotron waves in the Io torus. Advances in Space Research, 2001, 28, 1469-1474.	2.6	15
981	A mechanism for the production of a disk-shaped neutral source cloud at Io. Advances in Space Research, 2001, 28, 1475-1479.	2.6	9
982	Depleted magnetic flux tubes as probes of the Io torus plasma. Advances in Space Research, 2001, 28, 1489-1493.	2.6	9
983	Ultra-low-frequency waves in the Jovian magnetosphere: causes and consequences. Planetary and Space Science, 2001, 49, 291-301.	1.7	11
984	The dynamics of planetary magnetospheres. Planetary and Space Science, 2001, 49, 1005-1030.	1.7	51
985	Mirror modes: Non-Maxwellian distributions. Physics of Plasmas, 2001, 8, 2934-2945.	1.9	15
986	Substorms at Jupiter: Galileo observations of transient reconnection in the near tail. Advances in Space Research, 2000, 26, 1499-1504.	2.6	40
987	Ion-cyclotron waves at Io. Advances in Space Research, 2000, 26, 1505-1511.	2.6	18
988	The unipolar inductor myth: Mass addition or motional electric field as the source of field-aligned currents at Io. Advances in Space Research, 2000, 26, 1665-1670.	2.6	16
989	Sino-Magnetic Array at Low Latitudes (SMALL) including initial results from the sister sites in the United States. Advances in Space Research, 2000, 25, 1343-1351.	2.6	11
990	The solar wind interaction with the Earth's magnetosphere: a tutorial. IEEE Transactions on Plasma Science, 2000, 28, 1818-1830.	1.3	61

#	Article	IF	CITATIONS
991	Detection of SO in Io's Exosphere. Science, 2000, 287, 1998-1999.	12.6	51
992	Galileo Magnetometer Measurements: A Stronger Case for a Subsurface Ocean at Europa. Science, 2000, 289, 1340-1343.	12.6	576
993	The Effect of the January 10, 1997, pressure pulse on the magnetosphere-ionosphere current system. Geophysical Monograph Series, 2000, , 217-226.	0.1	66
994	Magnetosphere on May 11, 1999, the day the solar wind almost disappeared: II. Magnetic pulsations in space and on the ground. Geophysical Research Letters, 2000, 27, 2165-2168.	4.0	17
995	Lessons from the ring current injection during the September 24, 25, 1998 storm. Geophysical Research Letters, 2000, 27, 1371-1374.	4.0	37
996	Plasmaspheric depletion and refilling associated with the September 25, 1998 magnetic storm observed by ground magnetometers atL= 2. Geophysical Research Letters, 2000, 27, 633-636.	4.0	58
997	Observations of centrifugal acceleration during compression of magnetosphere. Geophysical Research Letters, 2000, 27, 915-918.	4.0	30
998	The magnetosphere on May 11, 1999, the day the solar wind almost disappeared: I. Current systems. Geophysical Research Letters, 2000, 27, 1827-1830.	4.0	26
999	Polar spacecraft based comparisons of intense electric fields and Poynting flux near and within the plasma sheet-tail lobe boundary to UVI images: An energy source for the aurora. Journal of Geophysical Research, 2000, 105, 18675-18692.	3.3	250
1000	Large Alfvén wave power in the plasma sheet boundary layer during the expansion phase of substorms. Geophysical Research Letters, 2000, 27, 3169-3172.	4.0	78
1001	Response of the equatorial and polar magnetosphere to the very tenuous solar wind on May 11, 1999. Geophysical Research Letters, 2000, 27, 3773-3776.	4.0	22
1002	Implications of depleted flux tubes in the Jovian magnetosphere. Geophysical Research Letters, 2000, 27, 3133-3136.	4.0	24
1003	How northward turnings of the IMF can lead to substorm expansion onsets. Geophysical Research Letters, 2000, 27, 3257-3259.	4.0	56
1004	Observations at the inner edge of the Jovian current sheet: evidence for a dynamic magnetosphere. Planetary and Space Science, 1999, 47, 521-527.	1.7	15
1005	Time series data analyses in space physics. Space Science Reviews, 1999, 87, 387-463.	8.1	76
1006	Comparisons of Polar satellite observations of solitary wave velocities in the plasma sheet boundary and the high altitude cusp to those in the auroral zone. Geophysical Research Letters, 1999, 26, 425-428.	4.0	183
1007	The magnetic and plasma structure of flux transfer events. Journal of Geophysical Research, 1999, 104, 233-245.	3.3	18
1008	Magnetospheric electric fields from ion data. Geophysical Research Letters, 1999, 26, 1561-1564.	4.0	3

#	Article	IF	CITATIONS
1009	Sudden compression of the outer magnetosphere associated with an ionospheric mass ejection. Geophysical Research Letters, 1999, 26, 2343-2346.	4.0	34
1010	lonospheric mass ejection in response to a CME. Geophysical Research Letters, 1999, 26, 2339-2342.	4.0	133
1011	Generalized Walén tests through Alfvén waves and rotational discontinuities using electron flow velocities. Journal of Geophysical Research, 1999, 104, 19817-19833.	3.3	39
1012	Mirror-mode structures at the Galileo-Io flyby: Instability criterion and dispersion analysis. Journal of Geophysical Research, 1999, 104, 17479-17489.	3.3	44
1013	Intercomparison of NEAR and Wind interplanetary coronal mass ejection observations. Journal of Geophysical Research, 1999, 104, 28217-28223.	3.3	43
1014	Induced magnetic fields as evidence for subsurface oceans in Europa and Callisto. Nature, 1998, 395, 777-780.	27.8	539
1015	Magnetic fluctuations close to Io: ion cyclotron and mirror mode wave properties. Planetary and Space Science, 1998, 47, 143-150.	1.7	26
1016	Observation of isolated structures of the low latitude boundary layer with the INTERBALL/tail probe. Geophysical Research Letters, 1998, 25, 4305-4308.	4.0	12
1017	An interpretation of the cross-phase spectrum of geomagnetic pulsations by the field line resonance theory. Geophysical Research Letters, 1998, 25, 4445-4448.	4.0	13
1018	High-speed ion flow, substorm current wedge, and multiple Pi 2 pulsations. Journal of Geophysical Research, 1998, 103, 4491-4507.	3.3	260
1019	Cusp energetic particle events: Implications for a major acceleration region of the magnetosphere. Journal of Geophysical Research, 1998, 103, 69-78.	3.3	143
1020	lon cyclotron waves in the Io torus: Wave dispersion, free energy analysis, and SO2+source rate estimates. Journal of Geophysical Research, 1998, 103, 19887-19899.	3.3	63
1021	Ground detection of trans-ionospheric pulse pairs by stations in the National Lightning Detection Network. Geophysical Research Letters, 1998, 25, 481-484.	4.0	12
1022	Observations of large amplitude parallel electric field wave packets at the plasma sheet boundary. Geophysical Research Letters, 1998, 25, 857-860.	4.0	34
1023	Solar cycle evolution of the structure of magnetic clouds in the inner heliosphere. Geophysical Research Letters, 1998, 25, 2959-2962.	4.0	171
1024	The cusp/magnetosheath interface on May 29, 1996: Interball-1 and Polar observations. Geophysical Research Letters, 1998, 25, 2963-2966.	4.0	38
1025	Reply [to "Comment on â€Interaction of Io with its torus: Does Io have an internal magnetic field?―by Krishan K. Khurana, Margaret G. Kivelson and Christopher T. Russellâ€]. Geophysical Research Letters, 1998, 25, 2351-2352.	4.0	3
1026	Trans-ionospheric pulse pairs (TIPPs): Their occurrence rates and diurnal variation. Geophysical Research Letters, 1998, 25, 3709-3712.	4.0	4

#	Article	IF	CITATIONS
1027	POLAR magnetic field observations at apogee during the January 1997 magnetic cloud event. Geophysical Research Letters, 1998, 25, 2541-2544.	4.0	6
1028	Field-line resonances triggered by a northward IMF turning. Geophysical Research Letters, 1998, 25, 2991-2994.	4.0	10
1029	Identification of the cloud pulse responsible for a trans-ionospheric pulse pair. Geophysical Research Letters, 1998, 25, 2645-2648.	4.0	4
1030	Nature, properties, and origin of low-frequency waves from an oblique shock to the inner magnetosheath. Journal of Geophysical Research, 1998, 103, 26783-26798.	3.3	46
1031	Magnetopause location under extreme solar wind conditions. Journal of Geophysical Research, 1998, 103, 17691-17700.	3.3	854
1032	Phase skipping and Poynting flux of continuous pulsations. Journal of Geophysical Research, 1998, 103, 29479-29491.	3.3	19
1033	Location and shape of the Jovian magnetopause and bow shock. Journal of Geophysical Research, 1998, 103, 20075-20082.	3.3	82
1034	Localized Reconnection in the Near Jovian Magnetotail. Science, 1998, 280, 1061-1064.	12.6	101
1035	A new functional form to study the solar wind control of the magnetopause size and shape. Journal of Geophysical Research, 1997, 102, 9497-9511.	3.3	652
1036	Survey of flux transfer events observed with the ISEE 1 spacecraft: Dependence on the interplanetary magnetic field. Journal of Geophysical Research, 1997, 102, 11307-11313.	3.3	71
1037	Magnetopause structure and the role of reconnection at the outer planets. Journal of Geophysical Research, 1997, 102, 24289-24302.	3.3	63
1038	lo's interaction with the Jovian magnetosphere. Eos, 1997, 78, 93.	0.1	10
1039	Solar wind-magnetosphere coupling during an isolated substorm event: A multispacecraft ISTP study. Geophysical Research Letters, 1997, 24, 983-986.	4.0	15
1040	Ion cyclotron waves observed at Galileo's Io encounter: Implications for neutral cloud distribution and plasma composition. Geophysical Research Letters, 1997, 24, 2139-2142.	4.0	49
1041	Ion cyclotron waves in the Io torus during the Galileo encounter: Warm plasma dispersion analysis. Geophysical Research Letters, 1997, 24, 2143-2146.	4.0	67
1042	Solar wind polytropic index in the vicinity of stream interactions. Geophysical Research Letters, 1997, 24, 1431-1434.	4.0	43
1043	Initial POLAR MFE observation of substorm signatures in the polar magnetosphere. Geophysical Research Letters, 1997, 24, 1459-1462.	4.0	3
1044	Comparison of observed and model magnetic fields at high altitudes above the polar cap: POLAR initial results. Geophysical Research Letters, 1997, 24, 1451-1454.	4.0	23

#	Article	IF	CITATIONS
1045	The effect of foreshock on the motion of the dayside magnetopause. Geophysical Research Letters, 1997, 24, 1439-1441.	4.0	28
1046	The determination of shock ramp width using the noncoplanar magnetic field component. Geophysical Research Letters, 1997, 24, 1975-1978.	4.0	14
1047	Interaction of Io with its torus: Does Io have an internal magnetic field?. Geophysical Research Letters, 1997, 24, 2391-2394.	4.0	27
1048	A first comparison of POLAR magnetic field measurements and magnetohydrodynamic simulation results for field-aligned currents. Geophysical Research Letters, 1997, 24, 2491-2494.	4.0	31
1049	Trans-ionospheric pulse pairs (TIPPs): Their geographic distributions and seasonal variations. Geophysical Research Letters, 1997, 24, 3165-3168.	4.0	13
1050	Europa's Magnetic Signature: Report from Galileo's Pass on 19December 1996. Science, 1997, 276, 1239-1241.	12.6	93
1051	Field aligned currents in the high latitude, high altitude magnetosphere: POLAR initial results. Geophysical Research Letters, 1997, 24, 1455-1458.	4.0	11
1052	Absence of an internal magnetic field at Callisto. Nature, 1997, 387, 262-264.	27.8	51
1053	HYDRODYNAMIC AND MHD EQUATIONS ACROSS THE BOW SHOCK AND ALONG THE SURFACES OF PLANETARY OBSTACLES. Space Science Reviews, 1997, 79, 757-791.	8.1	103
1054	Large scale structures in the magnetosheath: Exogenous or endogenous in origin?. Geophysical Research Letters, 1996, 23, 105-108.	4.0	24
1055	Comments on "Towards an MHD theory for the standoff distance of Earth's bow shock―by I. H. Cairns and C. L. Grabbe. Geophysical Research Letters, 1996, 23, 309-310.	4.0	18
1056	A statistical study of transient events in the outer dayside magnetosphere. Journal of Geophysical Research, 1996, 101, 4939-4952.	3.3	34
1057	Multipoint analysis of a bursty bulk flow event on April 11, 1985. Journal of Geophysical Research, 1996, 101, 4967-4989.	3.3	184
1058	The relationship between ELF-VHF waves and magnetic shear at the dayside magnetopause. Geophysical Research Letters, 1996, 23, 773-776.	4.0	20
1059	Observations of a very thin collisionless shock. Geophysical Research Letters, 1996, 23, 781-784.	4.0	55
1060	Plasma waves and field-aligned currents in the Venus plasma mantle. Journal of Geophysical Research, 1996, 101, 17313-17324.	3.3	25
1061	ISEE observations of low-latitude boundary layer for northward interplanetary magnetic field: Implications for cusp reconnection. Journal of Geophysical Research, 1996, 101, 27239-27249.	3.3	85
1062	Survey of flux transfer events observed with the ISEE 1 spacecraft: Rotational polarity and the source region. Journal of Geophysical Research, 1996, 101, 27299-27308.	3.3	54

#	Article	IF	CITATIONS
1063	Detection of localized, plasma-depleted flux tubes or bubbles in the midtail plasma sheet. Journal of Geophysical Research, 1996, 101, 10817-10826.	3.3	284
1064	Near-Earth magnetotail shape and size as determined from the magnetopause flaring angle. Journal of Geophysical Research, 1996, 101, 137-152.	3.3	231
1065	lo's Interaction with the Plasma Torus: Galileo Magnetometer Report. Science, 1996, 274, 396-398.	12.6	165
1066	Large Scale Dynamics of the Magnetospheric Tail Induced by Substorms: A Multisatellite Study. Journal of Geomagnetism and Geoelectricity, 1996, 48, 675-686.	0.9	7
1067	Accurate determination of magnetic field gradients from four point vector measurements. I. Use of natural constraints on vector data obtained from a single spinning spacecraft. IEEE Transactions on Magnetics, 1996, 32, 377-385.	2.1	44
1068	The occurrence rate of flux transfer events. Advances in Space Research, 1996, 18, 197-205.	2.6	32
1069	Discovery of Ganymede's magnetic field by the Galileo spacecraft. Nature, 1996, 384, 537-541.	27.8	348
1070	Density and magnetic field fluctuations observed by ISEE 1-2 in the quiet magnetosheath. Annales Geophysicae, 1995, 13, 343-357.	1.6	36
1071	The GGS/POLAR magnetic fields investigation. Space Science Reviews, 1995, 71, 563-582.	8.1	225
1072	Ultra low frequency waves at the Earth's bow shock. Advances in Space Research, 1995, 15, 285-296.	2.6	24
1073	Comparison of properties of upstream whistlers at different planets. Advances in Space Research, 1995, 16, 137-141.	2.6	19
1074	A study of flux transfer events at different planets. Advances in Space Research, 1995, 16, 159-163.	2.6	7
1075	An examination of the effect of dipole tilt angle and cusp regions on the shape of the dayside magnetopause. Journal of Geophysical Research, 1995, 100, 9559.	3.3	38
1076	The 22-year variation of geomagnetic activity: Implications for the polar magnetic field of the Sun. Geophysical Research Letters, 1995, 22, 3287-3288.	4.0	24
1077	Damping and spectral formation of upstream whistlers. Journal of Geophysical Research, 1995, 100, 17117.	3.3	35
1078	Sudden impulses at subauroral latitudes: Response for northward interplanetary magnetic field. Journal of Geophysical Research, 1995, 100, 23695.	3.3	50
1079	Structure of the Venus tail. Geophysical Monograph Series, 1994, , 207-220.	0.1	2
1080	Magnetospheric and solar wind studies with co-orbiting spacecraft. Geophysical Monograph Series, 1994, , 85-100.	0.1	2

#	Article	IF	CITATIONS
1081	Statistical characteristics of bursty bulk flow events. Journal of Geophysical Research, 1994, 99, 21257.	3.3	642
1082	On the sources of interplanetary shocks at 0.72 AU. Journal of Geophysical Research, 1994, 99, 11.	3.3	102
1083	Identification of low-frequency fluctuations in the terrestrial magnetosheath. Journal of Geophysical Research, 1994, 99, 6011.	3.3	103
1084	Modelling the low-latitude boundary layer with reconnection entry. Geophysical Research Letters, 1994, 21, 625-628.	4.0	24
1085	The flaring of the Martian magnetotail observed by the Phobos 2 spacecraft. Geophysical Research Letters, 1994, 21, 1121-1124.	4.0	16
1086	The thickness and structure of high beta magnetopause current layer. Geophysical Research Letters, 1994, 21, 2451-2454.	4.0	45
1087	Geomagnetic activity and the beta dependence of the dayside reconnection rate. Journal of Geophysical Research, 1994, 99, 14811.	3.3	55
1088	Determining the standoff distance of the bow shock: Mach number dependence and use of models. Journal of Geophysical Research, 1994, 99, 17681.	3.3	240
1089	Observation of anomalous slow-mode shock and reconnection layer in the dayside magnetopause. Journal of Geophysical Research, 1994, 99, 23705.	3.3	30
1090	Characteristics of ion flow in the quiet state of the inner plasma sheet. Geophysical Research Letters, 1993, 20, 1711-1714.	4.0	177
1091	A multisatellite study of a pseudoâ€substorm onset in the nearâ€Earth magnetotail. Journal of Geophysical Research, 1993, 98, 19355-19367.	3.3	78
1092	Effect of sudden solar wind dynamic pressure changes at subauroral latitudes: Time rate of change of magnetic field. Geophysical Research Letters, 1993, 20, 1-4.	4.0	7
1093	Effect of sudden solar wind dynamic pressure changes at subauroral latitudes: Change in magnetic field. Journal of Geophysical Research, 1993, 98, 3983-3990.	3.3	25
1094	SPA dinner, "Dubious Distinction―awards. Eos, 1993, 74, 99-100.	0.1	14
1095	External and internal influences on the size of the dayside terrestrial magnetosphere. Geophysical Research Letters, 1993, 20, 339-342.	4.0	69
1096	On the spatial range of validity of the gas dynamic model in the magnetosheath of Venus. Geophysical Research Letters, 1993, 20, 751-754.	4.0	9
1097	Flux transfer events: Spontaneous or driven?. Geophysical Research Letters, 1993, 20, 791-794.	4.0	59
1098	Sudden impulses at low latitudes: Transient response. Geophysical Research Letters, 1993, 20, 1015-1018.	4.0	19

#	Article	IF	CITATIONS
1099	VLF imaging of the Venus foreshock. Geophysical Research Letters, 1993, 20, 2801-2804.	4.0	17
1100	Comment on "Missing pressure in the dayside ionosphere of Venus― Geophysical Research Letters, 1993, 20, 2151-2152.	4.0	2
1101	Coherence lengths of upstream ULF waves: Dual ISEE observations. Geophysical Research Letters, 1993, 20, 1755-1758.	4.0	11
1102	The nightside ionosphere of Venus under varying levels of solar Euv flux. Geophysical Research Letters, 1993, 20, 2727-2730.	4.0	5
1103	The magnetic state of the lower ionosphere during Pioneer Venus entry phase. Geophysical Research Letters, 1993, 20, 2723-2726.	4.0	5
1104	Plasma waves observed at low altitudes in the tenuous Venus nightside ionosphere. Geophysical Research Letters, 1993, 20, 2767-2770.	4.0	10
1105	Observation of intense wave bursts at very low altitudes within the Venus nightside ionosphere. Geophysical Research Letters, 1993, 20, 2771-2774.	4.0	14
1106	An empirical model of the size and shape of the nearâ€Earth magnetotail. Geophysical Research Letters, 1993, 20, 2695-2698.	4.0	70
1107	Evidence for Langmuir oscillations and a low density cavity in the Venus magnetotail. Geophysical Research Letters, 1993, 20, 2775-2778.	4.0	7
1108	Observational test of hot flow anomaly formation by the interaction of a magnetic discontinuity with the bow shock. Journal of Geophysical Research, 1993, 98, 15319-15330.	3.3	69
1109	Magnetic structure of the low beta, quasiâ€perpendicular shock. Journal of Geophysical Research, 1993, 98, 15285-15294.	3.3	82
1110	Structure of the tail plasma/current sheet at â^¼11 <i>R_E</i> and its changes in the course of a substorm. Journal of Geophysical Research, 1993, 98, 17345-17365.	3.3	246
1111	Planetary Lightning. Annual Review of Earth and Planetary Sciences, 1993, 21, 43-87.	11.0	18
1112	Model of the formation of the lowâ€latitude boundary layer for strongly northward interplanetary magnetic field. Journal of Geophysical Research, 1992, 97, 1411-1420.	3.3	324
1113	Observations of a new class of upstream waves with periods near 3 seconds. Journal of Geophysical Research, 1992, 97, 2917-2925.	3.3	42
1114	Unusually distant bow shock encounters at Venus. Geophysical Research Letters, 1992, 19, 833-836.	4.0	38
1115	On the relative intercalibration of solar wind instruments on IMPâ€8 and ISEEâ€3. Geophysical Research Letters, 1992, 19, 961-963.	4.0	10
1116	Density and field structure of a FTE observed in the magnetosphere. Geophysical Research Letters, 1992, 19, 965-968.	4.0	5

#	Article	IF	CITATIONS
1117	The effect of solar wind dynamic pressure changes on low and midâ€ l atitude magnetic records. Geophysical Research Letters, 1992, 19, 1227-1230.	4.0	95
1118	ISEEâ€1 and â€2 observations of an isolated diamagnetic event: An earthwardâ€moving plasma bulge or a tailâ€aligned flux rope?. Geophysical Research Letters, 1992, 19, 1743-1746.	4.0	5
1119	Waves in the inner magnetosheath: A case study. Geophysical Research Letters, 1992, 19, 2191-2194.	4.0	59
1120	Slow mode transition in the frontside magnetosheath. Journal of Geophysical Research, 1992, 97, 8295-8305.	3.3	161
1121	Control of VLF burst activity in the nightside ionosphere of Venus by the magnetic field orientation. Journal of Geophysical Research, 1992, 97, 11673-11680.	3.3	19
1122	Wave phenomena in the upstream region of Saturn. Journal of Geophysical Research, 1992, 97, 19187-19199.	3.3	36
1123	The Galileo magnetic field investigation. Space Science Reviews, 1992, 60, 357.	8.1	130
1124	Radial expansion of the tail current disruption during substorms: A new approach to the substorm onset region. Journal of Geophysical Research, 1992, 97, 3129-3136.	3.3	185
1125	A study of ULF wave foreshock morphology—l: ULF foreshock boundary. Planetary and Space Science, 1992, 40, 1203-1213.	1.7	58
1126	A study of ULF wave foreshock morphology—II: spatial variation of ULF waves. Planetary and Space Science, 1992, 40, 1215-1225.	1.7	54
1127	Asymmetries in the location of the Venus and Mars bow shock. Geophysical Research Letters, 1991, 18, 127-129.	4.0	36
1128	Influences of solar wind parameters and geomagnetic activity on the tail lobe magnetic field: A statistical study. Journal of Geophysical Research, 1991, 96, 5511-5523.	3.3	62
1129	Reply [to "Comment on â€~A reâ€examination of impulsive VLF signals in the night ionosphere of Venus'â Geophysical Research Letters, 1991, 18, 755-758.	€[4.0	0
1130	PC 3,4 magnetic pulsations observed simultaneously in the magnetosphere and at multiple ground stations. Geophysical Research Letters, 1991, 18, 1671-1674.	4.0	27
1131	Pickedâ€up protons near Mars: Phobos observations. Geophysical Research Letters, 1991, 18, 1805-1808.	4.0	63
1132	The thickness of the magnetosheath: Constraints on the polytropic index. Geophysical Research Letters, 1991, 18, 1821-1824.	4.0	154
1133	The magnetic barrier at Venus. Journal of Geophysical Research, 1991, 96, 11145-11153.	3.3	134
1134	He ²⁺ heating at a quasiâ€parallel shock. Journal of Geophysical Research, 1991, 96, 9805-9810.	3.3	10

#	Article	IF	CITATIONS
1135	Proxy studies of energy transfer to the magnetosphere. Journal of Geophysical Research, 1991, 96, 9541-9548.	3.3	128
1136	Venus ionospheric "clouds― relationship to the magnetosheath field geometry. Journal of Geophysical Research, 1991, 96, 11133-11144.	3.3	22
1137	Ulf waves upstream of the Venus bow shock: Properties of oneâ€hertz waves. Journal of Geophysical Research, 1991, 96, 11271-11282.	3.3	40
1138	Observations of reconnection of interplanetary and lobe magnetic field lines at the highâ€latitude magnetopause. Journal of Geophysical Research, 1991, 96, 14097-14106.	3.3	239
1139	Venus lightning. Space Science Reviews, 1991, 55, 317.	8.1	74
1140	Coronal mass ejections and magnetic flux ropes in interplanetary space. Geophysical Monograph Series, 1990, , 343-364.	0.1	475
1141	A bubblelike coronal mass ejection flux rope in the solar wind. Geophysical Monograph Series, 1990, , 365-371.	0.1	38
1142	Global configuration of a magnetic cloud. Geophysical Monograph Series, 1990, , 373-377.	0.1	118
1143	Radioemission source disputed. Nature, 1990, 345, 214-214.	27.8	0
1144	Impulsive signals in the night ionosphere of Venus: Comparison of results obtained below the local electron gyro frequency with those above. Advances in Space Research, 1990, 10, 37-40.	2.6	12
1145	Interplanetary magnetic field enhancements: Evidence for solar wind dust trail interactions. Advances in Space Research, 1990, 10, 159-162.	2.6	8
1146	Evidence for lightning on Venus. Advances in Space Research, 1990, 10, 125-136.	2.6	15
1147	The magnetopause. Geophysical Monograph Series, 1990, , 439-453.	0.1	16
1148	Observations of flux transfer events: Are FTEs flux ropes, islands, or surface waves?. Geophysical Monograph Series, 1990, , 455-471.	0.1	49
1149	Reply [to "Comment on â€~THe universal time variatlon of magnetic activity'â€]. Geophysical Research Letters, 1990, 17, 309-310.	4.0	3
1150	Current carriers in the nearâ€Earth crossâ€ŧail current sheet during substorm growth phase. Geophysical Research Letters, 1990, 17, 583-586.	4.0	245
1151	Particle acceleration during substorm growth and onset. Geophysical Research Letters, 1990, 17, 587-590.	4.0	30
1152	The magnetotail of Mars: Phobos observations. Geophysical Research Letters, 1990, 17, 885-888.	4.0	111

#	Article	IF	CITATIONS
1153	Upstream waves at Mars: Phobos observations. Geophysical Research Letters, 1990, 17, 897-900.	4.0	125
1154	Observations of the magnetic fluctuation enhancement in the Earth's foreshock region. Geophysical Research Letters, 1990, 17, 905-908.	4.0	15
1155	Geomagnetic activity for northward interplanetary magnetic fields: AM index response. Geophysical Research Letters, 1990, 17, 1065-1068.	4.0	4
1156	Electron plasma oscillations in the Venus foreshock. Geophysical Research Letters, 1990, 17, 1805-1808.	4.0	26
1157	The electron edge of low latitude boundary layer during accelerated flow events. Geophysical Research Letters, 1990, 17, 1833-1836.	4.0	184
1158	Observations of the density profile in the magnetosheath near the stagnation streamline. Geophysical Research Letters, 1990, 17, 2035-2038.	4.0	96
1159	Cold ion beams in the low latitude boundary layer during accelerated flow events. Geophysical Research Letters, 1990, 17, 2245-2248.	4.0	99
1160	Magnetic pulsations at the quasiâ€parallel shock. Journal of Geophysical Research, 1990, 95, 957-966.	3.3	84
1161	Structure and properties of the subsolar magnetopause for northward IMF: ISEE observations. Journal of Geophysical Research, 1990, 95, 6375-6387.	3.3	129
1162	Plasma flow reversals at the dayside magnetopause and the origin of asymmetric polar cap convection. Journal of Geophysical Research, 1990, 95, 8073-8084.	3.3	230
1163	A study of the coherence length of ULF waves in the Earth's foreshock. Journal of Geophysical Research, 1990, 95, 10703-10706.	3.3	34
1164	The solar cycle dependence of the location and shape of the Venus bow shock. Journal of Geophysical Research, 1990, 95, 14961-14967.	3.3	72
1165	Magnetic flux ropes in the ionosphere of Venus. Geophysical Monograph Series, 1990, , 413-423.	0.1	24
1166	Magnetic fields near Mars: first results. Nature, 1989, 341, 604-607.	27.8	246
1167	Small scale irregularities in comet Halley's plasma mantle: An attempt at selfâ€consistent analysis of plasma and magnetic field data. Geophysical Research Letters, 1989, 16, 5-8.	4.0	12
1168	Observation of mirror waves downstream of a quasiâ€perpendicular shock. Geophysical Research Letters, 1989, 16, 159-162.	4.0	66
1169	The universal time variation of geomagnetic activity. Geophysical Research Letters, 1989, 16, 555-558.	4.0	23
1170	VLF bursts in the night ionosphere of Venus: Estimates of the Poynting flux. Geophysical Research Letters, 1989, 16, 579-582.	4.0	25

#	Article	IF	CITATIONS
1171	Comment on "On the response of ionospheric magnetisation to solar wind dynamic pressure from the Pioneer Venus measurements by J. Kar and K. K. Mahajan― Geophysical Research Letters, 1989, 16, 771-772.	4.0	3
1172	ULF waves in the Mercury magnetosphere. Geophysical Research Letters, 1989, 16, 1253-1256.	4.0	78
1173	A reâ€examination of impulsive VLF signals in the night ionosphere of Venus. Geophysical Research Letters, 1989, 16, 1481-1484.	4.0	15
1174	The Uranian magnetopause: Lessons from Earth. Geophysical Research Letters, 1989, 16, 1485-1488.	4.0	27
1175	On the source of diffuse, suprathermal ions observed in the vicinity of the Earth's bow shock. Journal of Geophysical Research, 1989, 94, 3555-3563.	3.3	39
1176	Suprathermal electrons at Earth's bow shock. Journal of Geophysical Research, 1989, 94, 10011-10025.	3.3	92
1177	Ion reflection and downstream thermalization at the quasiâ€parallel bow shock. Journal of Geophysical Research, 1989, 94, 10027-10037.	3.3	76
1178	SPR executive committee meeting report. Eos, 1989, 70, 675.	0.1	0
1179	Physics of magnetic flux ropes. Eos, 1989, 70, 684.	0.1	3
1180	Planetographic clustering of low-altitude impulsive electric signals in the night ionosphere of Venus. Nature, 1988, 331, 591-594.	27.8	24
1181	Geomagnetic activity during the passage of the Earth through Halley's tail in 1910. Nature, 1988, 333, 338-340.	27.8	5
1182	Multipoint measurements of upstream waves. Advances in Space Research, 1988, 8, 147-156.	2.6	23
1183	VLF bursts in the night ionosphere of Venus: Effects of the magnetic field. Planetary and Space Science, 1988, 36, 1211-1218.	1.7	18
1184	SOHO: An unfortunate omission. Eos, 1988, 69, 636.	0.1	1
1185	Solar and interplanetary control of the location of the Venus bow shock. Journal of Geophysical Research, 1988, 93, 5461-5469.	3.3	114
1186	The altitude distribution of impulsive signals in the night ionosphere of Venus. Journal of Geophysical Research, 1988, 93, 5915-5921.	3.3	31
1187	Fieldâ€aligned current signatures in the nearâ€tail region: 1. ISEE observations in the plasma sheet boundary layer. Journal of Geophysical Research, 1988, 93, 9709-9720.	3.3	82
1188	On the origin of hot diamagnetic cavities near the Earth's bow shock. Journal of Geophysical Research, 1988, 93, 11311-11325.	3.3	103

#	Article	IF	CITATIONS
1189	Reply [to Comment on "Tu Que?―by Emile A. Okal]. Eos, 1987, 68, 37.	0.1	0
1190	Robert E. Holzer in celebration of his 80th birthday. Eos, 1987, 68, 761.	0.1	2
1191	Interplanetary magnetic field enhancements: Further evidence for an association with Asteroid 2201 Oljato. Geophysical Research Letters, 1987, 14, 491-494.	4.0	14
1192	Reply to Taylor and Cloutier. Geophysical Research Letters, 1987, 14, 571-572.	4.0	4
1193	Magnetic field draping in the comet Halley coma: Comparison of Vega observations with computer simulations. Geophysical Research Letters, 1987, 14, 640-643.	4.0	24
1194	Mirror instability in the magnetosphere of comet Halley. Geophysical Research Letters, 1987, 14, 644-647.	4.0	136
1195	An examination of possible solar wind sources for a sudden brightening of comet IRASâ€Arakiâ€Alcock. Geophysical Research Letters, 1987, 14, 991-994.	4.0	9
1196	The ionotail of Venus: Its configuration and evidence for ion escape. Journal of Geophysical Research, 1987, 92, 15-26.	3.3	138
1197	Upper limit on the intrinsic magnetic field of Venus. Journal of Geophysical Research, 1987, 92, 2253-2263.	3.3	63
1198	Fast shocks at the edges of hot diamagnetic cavities upstream from the Earth's bow shock. Journal of Geophysical Research, 1987, 92, 3187-3194.	3.3	44
1199	An extended study of the lowâ€latitude boundary layer on the dawn and dusk flanks of the magnetosphere. Journal of Geophysical Research, 1987, 92, 7394-7404.	3.3	263
1200	Characteristics of the Marslike limit of the Venusâ€solar wind interaction. Journal of Geophysical Research, 1987, 92, 8545-8557.	3.3	126
1201	The phase relationship between gyrophaseâ€bunched ions and MHDâ€like waves. Geophysical Research Letters, 1986, 13, 60-63.	4.0	34
1202	ISEEâ€1 and 2 observations of magnetic flux ropes in the magnetotail: FTE's in the plasma sheet?. Geophysical Research Letters, 1986, 13, 648-651.	4.0	90
1203	Interplanetary field control of the location of the Venus bow shock: Evidence for cometâ€like ion pickup. Geophysical Research Letters, 1986, 13, 917-920.	4.0	45
1204	Further evidence for lightning on Venus. Geophysical Research Letters, 1986, 13, 1051-1054.	4.0	37
1205	Reply ["Comment on the â€ [~] Pioneer Venus Orbiter Event of February 11, 1982: of cometary or solar origin?'â€]. Geophysical Research Letters, 1986, 13, 1071-1074.	4.0	2
1206	Nearâ€ŧail reconnection as the cause of cometary tail disconnections. Journal of Geophysical Research, 1986, 91, 1417-1423.	3.3	55

#	Article	IF	CITATIONS
1207	Hot, diamagnetic cavities upstream from the Earth's bow shock. Journal of Geophysical Research, 1986, 91, 2961-2973.	3.3	169
1208	The average magnetic field draping and consistent plasma properties of the Venus magnetotail. Journal of Geophysical Research, 1986, 91, 7939-7953.	3.3	133
1209	The resolved layer of a collisionless, high β, supercritical, quasiâ€perpendicular shock wave: 1. Rankineâ€Hugoniot geometry, currents, and stationarity. Journal of Geophysical Research, 1986, 91, 11019-11052.	3.3	156
1210	A test of Lee's quasiâ€linear theory of ion acceleration by interplanetary traveling shocks. Journal of Geophysical Research, 1986, 91, 11917-11928.	3.3	109
1211	Magnetic field observations in comet Halley's coma. Nature, 1986, 321, 288-289.	27.8	152
1212	Planetary bow shocks. Geophysical Monograph Series, 1985, , 109-130.	0.1	66
1213	On the source region of flux transfer events. Advances in Space Research, 1985, 5, 363-368.	2.6	53
1214	Dependence of Venus ionopause altitude and ionospheric magnetic field on solar wind dynamic pressure. Advances in Space Research, 1985, 5, 173-176.	2.6	48
1215	Interplanetary magnetic field enhancements in the solar wind: Statistical properties at 1 AU. Icarus, 1985, 62, 230-243.	2.5	19
1216	Patchy Reconnection and Magnetic Ropes in Astrophysical Plasmas. Symposium - International Astronomical Union, 1985, 107, 25-42.	0.1	0
1217	The Fluxgate Magnetometer for the AMPTE UK Subsatellite. IEEE Transactions on Geoscience and Remote Sensing, 1985, GE-23, 301-304.	6.3	49
1218	Solar-terrestrial relations. Eos, 1985, 66, 57.	0.1	3
1219	Three spacecraft measurements of an unusual disturbance in the solar wind: Further evidence for a cometary encounter. Geophysical Research Letters, 1985, 12, 476-478.	4.0	17
1220	ISEE 1 and 2 observation of the spatial structure of a compressional Pc5 wave. Geophysical Research Letters, 1985, 12, 613-616.	4.0	26
1221	The location of the subsolar bow shock of Venus: Implications for the obstacle shape. Geophysical Research Letters, 1985, 12, 627-630.	4.0	17
1222	Observations of fieldâ€aligned currents at the plasma sheet boundary: An ISEEâ€1 and 2 survey. Geophysical Research Letters, 1985, 12, 631-634.	4.0	51
1223	The Pioneer Venus Orbiter event of February 11, 1982: Of cometary or solar origin?. Geophysical Research Letters, 1985, 12, 859-861.	4.0	3
1224	Flux transfer events at the Jovian magnetopause. Journal of Geophysical Research, 1985, 90, 7397-7404.	3.3	70

#	Article	IF	CITATIONS
1225	Flux transfer events at Mercury. Journal of Geophysical Research, 1985, 90, 11067-11074.	3.3	72
1226	Reconnection at the Earth's magnetopause: Magnetic field observations and flux transfer events. Geophysical Monograph Series, 1984, , 124-138.	0.1	28
1227	A dual-satellite study of the spatial properties of FTEs. Geophysical Monograph Series, 1984, , 145-152.	0.1	21
1228	Flux transfer events and interplanetary magnetic field conditions. Geophysical Monograph Series, 1984, , 154-155.	0.1	0
1229	Recent investigations op flux transfer events observed at the dayside magnetopause. Geophysical Monograph Series, 1984, , 139-144.	0.1	10
1230	Patterns of magnetic field merging sites on the magnetopause. Geophysical Monograph Series, 1984, , 156-157.	0.1	2
1231	Interplanetary Magnetic Field Enhancements and Their Association with the Asteroid 2201 Oljato. Science, 1984, 226, 43-45.	12.6	59
1232	Interplanetary field enhancements in the solar wind: Statistical properties at 0.72 AU. Icarus, 1984, 60, 332-350.	2.5	29
1233	Flux transfer events: Scale size and interior structure. Geophysical Research Letters, 1984, 11, 131-134.	4.0	248
1234	Time scales for the decay of induced largeâ€scale magnetic fields in the Venus ionosphere. Journal of Geophysical Research, 1984, 89, 362-368.	3.3	73
1235	A survey of dayside flux transfer events observed by ISEE 1 and 2 magnetometers. Journal of Geophysical Research, 1984, 89, 786-800.	3.3	380
1236	Patterns of potential magnetic field merging sites on the dayside magnetopause. Journal of Geophysical Research, 1984, 89, 1739-1742.	3.3	221
1237	The distribution of reconnection geometry in flux transfer events using energetic ion, plasma and magnetic data. Journal of Geophysical Research, 1984, 89, 3843-3854.	3.3	118
1238	Flux transfer events on the magnetopause: Spatial distribution and controlling factors. Journal of Geophysical Research, 1984, 89, 6689-6703.	3.3	274
1239	A comparison of specularly reflected gyrating ion orbits with observed shock foot thicknesses. Journal of Geophysical Research, 1984, 89, 6824-6828.	3.3	46
1240	Growth and maintenance of largeâ€scale magnetic fields in the dayside Venus ionosphere. Journal of Geophysical Research, 1984, 89, 10676-10684.	3.3	75
1241	An unusual interplanetary event: encounter with a comet?. Nature, 1983, 305, 612-615.	27.8	33
1242	Cosmic Electrodynamics. Eos, 1983, 64, 99.	0.1	0

#	Article	IF	CITATIONS
1243	The interaction of flowing plasmas with planetary ionospheres: A Titanâ€Venus comparison. Journal of Geophysical Research, 1983, 88, 49-57.	3.3	35
1244	Magnetic flux ropes in the Venus ionosphere: Observations and models. Journal of Geophysical Research, 1983, 88, 58-72.	3.3	107
1245	Plasma rest frame frequencies and polarizations of the lowâ€frequency upstream waves: ISEE 1 and 2 Observations. Journal of Geophysical Research, 1983, 88, 2021-2027.	3.3	221
1246	Global characteristics of magnetic flux ropes in the Venus ionosphere. Journal of Geophysical Research, 1983, 88, 2993-3003.	3.3	38
1247	Multiple spacecraft observations of interplanetary shocks: Four spacecraft determination of shock normals. Journal of Geophysical Research, 1983, 88, 4739-4748.	3.3	211
1248	Evolution of ion distributions across the nearly perpendicular bow shock: Specularly and nonâ€specularly reflectedâ€gyrating ions. Journal of Geophysical Research, 1983, 88, 6121-6136.	3.3	326
1249	Multiple spacecraft observations of interplanetary shocks: ISEE threeâ€dimensional plasma measurements. Journal of Geophysical Research, 1983, 88, 9941-9947.	3.3	66
1250	Electron Heating Within the Earth's Bow Shock. Physical Review Letters, 1982, 49, 199-201.	7.8	120
1251	Introduction to Communication Science and Systems. Eos, 1982, 63, 548.	0.1	0
1252	Magnetic field and plasma wave observations in a plasma cloud at Venus. Geophysical Research Letters, 1982, 9, 45-48.	4.0	62
1253	Largeâ€amplitude magnetic variations in quasiâ€parallel shocks: Correlation lengths measured by ISEE 1 and 2. Geophysical Research Letters, 1982, 9, 781-784.	4.0	40
1254	ISEEâ€1 and â€2 observations of magnetic field strength overshoots in quasiâ€perpendicular bow shocks. Geophysical Research Letters, 1982, 9, 1037-1040.	4.0	75
1255	ISEEâ€1 and â€2 observations of laminar bow shocks: Velocity and thickness. Geophysical Research Letters, 1982, 9, 1171-1174.	4.0	88
1256	Characteristics of the ULF waves associated with upstream ion beams. Journal of Geophysical Research, 1982, 87, 643-650.	3.3	91
1257	The thickness of the magnetopause current layer: ISEE 1 and 2 observations. Journal of Geophysical Research, 1982, 87, 2108-2114.	3.3	262
1258	Evidence for quasiâ€stationary reconnection at the dayside magnetopause. Journal of Geophysical Research, 1982, 87, 2147-2158.	3.3	146
1259	Plasma and magnetic field characteristics of magnetic flux transfer events. Journal of Geophysical Research, 1982, 87, 2159-2168.	3.3	363
1260	Factors controlling degree of correlation between ISEE 1 and ISEE 3 interplanetary magnetic field measurements. Journal of Geophysical Research, 1982, 87, 2224-2230.	3.3	129

#	Article	IF	CITATIONS
1261	Standing hydromagnetic waves observed by ISEE 1 and 2: Radial extent and harmonic. Journal of Geophysical Research, 1982, 87, 3519-3529.	3.3	138
1262	Magnetic field rotation through the magnetopause: ISEE 1 and 2 observations. Journal of Geophysical Research, 1982, 87, 8139-8148.	3.3	107
1263	The properties of the low altitude magnetic belt in the Venus ionosphere. Advances in Space Research, 1982, 2, 13-16.	2.6	34
1264	Effects of large-scale magnetic fields in the Venus ionosphere. Advances in Space Research, 1982, 2, 17-21.	2.6	10
1265	Particle acceleration at planetary bow shock waves. Nature, 1982, 295, 41-42.	27.8	80
1266	The solar wind interaction. Nature, 1982, 296, 20-20.	27.8	4
1267	Overshoots in planetary bow shocks. Nature, 1982, 296, 45-48.	27.8	98
1268	Orientation of planetary O+ fluxes and magnetic field lines in the Venus wake. Nature, 1982, 299, 325-326.	27.8	12
1269	Observations of reverse polarity flux transfer events at the Earth's dayside magnetopause. Nature, 1982, 300, 23-26.	27.8	77
1270	Evidence for the tailward retreat of a magnetic neutral line in the magnetotail during substorm recovery. Geophysical Research Letters, 1981, 8, 261-264.	4.0	120
1271	Fieldâ€∎ligned currents in the Earth's magnetotail. Journal of Geophysical Research, 1981, 86, 687-700.	3.3	102
1272	Particle signature of magnetic flux transfer events at the magnetopause. Journal of Geophysical Research, 1981, 86, 1628-1632.	3.3	81
1273	Structure of the low″atitude boundary layer. Journal of Geophysical Research, 1981, 86, 2099-2110.	3.3	382
1274	Substormâ€related plasma sheet motions as determined from differential timing of plasma changes at the Isee satellites. Journal of Geophysical Research, 1981, 86, 3459-3469.	3.3	35
1275	Upstream hydromagnetic waves and their association with backstreaming ion populations: ISEE 1 and 2 observations. Journal of Geophysical Research, 1981, 86, 4471-4492.	3.3	431
1276	Whistler mode wave propagation in the solar wind near the bow shock. Journal of Geophysical Research, 1981, 86, 4511-4516.	3.3	31
1277	Evidence for magnetic field reconnection at the Earth's magnetopause. Journal of Geophysical Research, 1981, 86, 10049-10067.	3.3	671
1278	The Venus ionopause current sheet: Thickness length scale and controlling factors. Journal of Geophysical Research, 1981, 86, 11430-11438.	3.3	54
#	Article	IF	CITATIONS
------	---	------	-----------
1279	Contour maps of lunar remanent magnetic fields. Journal of Geophysical Research, 1981, 86, 1055-1069.	3.3	50
1280	Exploration of the upper atmosphere and ionosphere of Mars. Nature, 1981, 294, 311-312.	27.8	19
1281	On the nature of ULF waves upstream of planetary bow shocks. Advances in Space Research, 1981, 1, 327-332.	2.6	33
1282	Magnetic flux ropes in the Venus ionosphere: In situ observations of force-free structures?. Advances in Space Research, 1981, 1, 53-58.	2.6	6
1283	Magnetospheric substorms—definition and signatures. Journal of Geophysical Research, 1980, 85, 1663-1668.	3.3	371
1284	Whistler mode wave packets in the Earth's foreshock region. Nature, 1980, 287, 417-420.	27.8	36
1285	Cui Honorem Honorem. Eos, 1980, 61, 481.	0.1	0
1286	The location of the dayside ionopause of Venus: Pioneer Venus Orbiter Magnetometer observations. Geophysical Research Letters, 1980, 7, 561-564.	4.0	29
1287	Observations of large scale steady magnetic fields in the dayside Venus ionosphere. Geophysical Research Letters, 1980, 7, 917-920.	4.0	102
1288	A macroscopic profile of the typical quasiâ€perpendicular bow shock: Isee 1 and 2. Journal of Geophysical Research, 1980, 85, 2124-2130.	3.3	56
1289	Observations of the dayside ionopause and ionosphere of Venus. Journal of Geophysical Research, 1980, 85, 7679-7696.	3.3	170
1290	Lightning on Venus: Orbiter detection of whistler signals. Journal of Geophysical Research, 1980, 85, 8158-8166.	3.3	94
1291	Pioneer Venus Orbiter Fluxgate Magnetometer. IEEE Transactions on Geoscience and Remote Sensing, 1980, GE-18, 32-35.	6.3	115
1292	Comparison of ISEEâ€1 and â€3 interplanetary magnetic field observations. Geophysical Research Letters, 1980, 7, 381-384.	4.0	76
1293	Initial Pioneer Venus Magnetic Field Results: Dayside Observations. Science, 1979, 203, 745-748.	12.6	148
1294	Absorption of Whistler Mode Waves in the Ionosphere of Venus. Science, 1979, 205, 112-114.	12.6	58
1295	Initial ISEE magnetometer results: Shock observation. Space Science Reviews, 1979, 23, 3.	8.1	91
1296	Evidence for lightning on Venus. Nature, 1979, 279, 614-616.	27.8	86

#	Article	IF	CITATIONS
1297	Observation of magnetic flux ropes in the Venus ionosphere. Nature, 1979, 279, 616-618.	27.8	163
1298	Scaling law test and two predictions of planetary magnetic moments. Nature, 1979, 281, 552-553.	27.8	18
1299	Pioneer magnetometer observations of the Venus bow shock. Nature, 1979, 282, 815-816.	27.8	24
1300	Plasma acceleration at the Earth's magnetopause: evidence for reconnection. Nature, 1979, 282, 243-246.	27.8	611
1301	AGU member self-evaluation test. Eos, 1979, 60, 1022.	0.1	0
1302	ISEE observations of flux transfer events at the dayside magnetopause. Geophysical Research Letters, 1979, 6, 33-36.	4.0	655
1303	Plasma wave turbulence at the magnetopause: Observations from ISEE 1 and 2. Journal of Geophysical Research, 1979, 84, 7043-7058.	3.3	175
1304	Initial ISEE magnetometer results: magnetopause observations. Space Science Reviews, 1978, 22, 681.	8.1	965
1305	Re-evaluating Bode's law of planetary magnetism. Nature, 1978, 272, 147-148.	27.8	37
1306	The ISEE 1 and 2 Fluxgate Magnetometers. , 1978, 16, 239-242.		331
1307	On the apparent source depth of planetary magnetic fields. Geophysical Research Letters, 1978, 5, 211-214.	4.0	39
1308	Ogo 5 observations of Pc 5 waves: Particle flux modulations. Journal of Geophysical Research, 1977, 82, 2774-2786.	3.3	97
1309	On the possibility of deducing interplanetary and solar parameters from geomagnetic records. Solar Physics, 1975, 42, 259-269.	2.5	66
1310	The third solar wind conference: A summary. Space Science Reviews, 1975, 17, 435-447.	8.1	0
1311	Structure of the quasi-perpendicular laminar bow shock. Journal of Geophysical Research, 1975, 80, 502-514.	3.3	103
1312	An empirical relationship between interplanetary conditions and <i>Dst</i> . Journal of Geophysical Research, 1975, 80, 4204-4214.	3.3	1,170
1313	On the source of lunar limb compressions. Journal of Geophysical Research, 1975, 80, 4700-4711.	3.3	60
1314	The Terrestrial Magnetosphere: A Half-Wave Rectifier of the Interplanetary Electric Field. Science, 1975, 189, 717-718.	12.6	77

74

#	Article	IF	CITATIONS
1315	On the limitations of geomagnetic measures of interplanetary magnetic polarity. Solar Physics, 1974, 37, 251-256.	2.5	27
1316	The Solar Wind and Magnetospheric Dynamics. Astrophysics and Space Science Library, 1974, , 3-47.	2.7	34
1317	The magnetotail and substorms. Space Science Reviews, 1973, 15, 205.	8.1	496
1318	Semiannual variation of geomagnetic activity. Journal of Geophysical Research, 1973, 78, 92-108.	3.3	833
1319	Ion cyclotron waves observed in the polar cusp. Journal of Geophysical Research, 1973, 78, 2917-2925.	3.3	38
1320	Substorms in space: The correlation between ground and satellite observations of the magnetic field. Radio Science, 1973, 8, 1059-1076.	1.6	68
1321	Satellite studies of magnetospheric substorms on August 15, 1968: 9. Phenomenological model for substorms. Journal of Geophysical Research, 1973, 78, 3131-3149.	3.3	1,074
1322	Study of waves in the Earth's bow shock. Journal of Geophysical Research, 1972, 77, 2264-2273.	3.3	54
1323	Plasma waves in the dayside polar cusp: 1, Magnetospheric observations. Journal of Geophysical Research, 1972, 77, 2274-2293.	3.3	82
1324	Outer magnetosphere near midnight at quiet and disturbed times. Journal of Geophysical Research, 1972, 77, 5487-5502.	3.3	98
1325	Fluctuating magnetic fields in the magnetosphere. Space Science Reviews, 1972, 12, 810-856.	8.1	60
1326	Satellite measurements of the moon's magnetic field: A preliminary report. The Moon, 1972, 4, 419-429.	0.4	46
1327	Ogo 5 observations of upstream waves in the interplanetary medium: Discrete wave packets. Journal of Geophysical Research, 1971, 76, 845-861.	3.3	157
1328	Ogo 5 observations of the polar cusp on November 1, 1968. Journal of Geophysical Research, 1971, 76, 6743-6764.	3.3	139
1329	OGO 3 observations of ELF noise in the magnetosphere: 2. The nature of the equatorial noise. Journal of Geophysical Research, 1970, 75, 755-768.	3.3	254
1330	Inward motion of the magnetopause before a substorm. Journal of Geophysical Research, 1970, 75, 7018-7031.	3.3	302
1331	Magnetic emissions in the magnetosheath at frequencies near 100 Hz. Journal of Geophysical Research, 1969, 74, 3027-3036.	3.3	79
1332	Polarizations and directions of propagation of ELF magnetospheric emissions. , 0, , .		0

#	Article	IF	CITATIONS
1333	Storm-substorm coupling during 16 Hours of Dst steadily at â^'150 nT. Geophysical Monograph Series, 0, , 155-161.	0.1	4
1334	The Morphology of ULF Waves in the Earth's Foreshock. Geophysical Monograph Series, 0, , 87-98.	0.1	38
1335	Solar Wind and Interplanetary Magnetic Field: A Tutorial. Geophysical Monograph Series, 0, , 73-89.	0.1	23
1336	The Pioneer Venus Mission. Geophysical Monograph Series, 0, , 225-236.	0.1	7
1337	Reconnexion. Special Publications, 0, , 526-540.	0.0	12
1338	The Magnetic Field Turbulence at Comet Halley Observed by Vega 1 and 2. Geophysical Monograph Series, 0, , 273-276.	0.1	0
1339	Dayside Electrodynamics Observed by Polar with Northward IMF. Geophysical Monograph Series, 0, , 13-23.	0.1	0
1340	A Parametric Study of the Solar Wind Interaction with Comets. Geophysical Monograph Series, 0, , 65-72.	0.1	2
1341	Venus: Interaction with Solar Wind. , 0, , .		1
1342	Magnetic gradiometry using frequency-domain filtering. Measurement Science and Technology, 0, , .	2.6	4
1343	Kelvin-Helmholtz Vortices as an Interplay of Magnetosphere-Ionosphere Coupling. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	5
1344	Energetic electron microinjections observed by MMS in the dusk plasma sheet and drift resonance interpretation. Geophysical Research Letters, 0, , .	4.0	0