C T R Russell

List of Publications by Year in Descending Order

1,320 papers	63,278 citations	118 h-index	192 g-index
1,424 ext. papers	68,451 ext. citations	6.8 avg, IF	7.44 L-index

#	Paper	IF	Citations
1320	Solitary Magnetic Structures Developed From Gyro-Resonance With Solar Wind Ions at Mars and Earth. *Geophysical Research Letters*, **2022**, 49,	4.9	0
1319	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. *Physics of Plasmas*, **2022**, 29, 012906	2.1	1
1318	Turbulence-driven magnetic reconnection and the magnetic correlation length: Observations from Magnetospheric Multiscale in Earth's magnetosheath. *Physics of Plasmas*, **2022**, 29, 012302	2.1	5
1317	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	2.1	2
1316	Magnetic Flux Transport Identification of Active Reconnection: MMS Observations in Earth Magnetosphere. *Astrophysical Journal Letters*, **2022**, 926, L34	7.9	0
1315	Protoplanet Vesta and HED Meteorites **2022**, 41-52		1
1314	Carbon and Organic Matter on Ceres **2022**, 121-133		
1313	Geomorphology of Ceres **2022**, 143-158		
1312	Origin and Dynamical Evolution of the Asteroid Belt **2022**, 227-249		0
1311	Ceres Surface Composition **2022**, 105-120		
1310	Electron-Only Reconnection as a Transition Phase From Quiet Magnetotail Current Sheets to Traditional Magnetotail Reconnection. *Journal of Geophysical Research: Space Physics*, **2022**, 127,	2.6	2
1309	Collisional Evolution of the Main Belt as Recorded by Vesta **2022**, 250-261		
1308	Ammonia on Ceres **2022**, 134-142		
1307	Geophysics of Vesta and Ceres **2022**, 173-196		
1306	Formation of Main Belt Asteroids **2022**, 199-211		0
1305	The Surface Composition of Vesta **2022**, 81-104		
1304	Remote Observations of the Main Belt **2022**, 3-25		

1303	Geomorphology of Vesta **2022**, 67-80		
1302	Isotopic Constraints on the Formation of the Main Belt **2022**, 212-226		
1301	Ceres Internal Evolution **2022**, 159-172		
1300	Exploring Vesta and Ceres **2022**, 26-38		
1299	The Internal Evolution of Vesta **2022**, 53-66		
1298	Statistical study of lightning-generated whistler-mode waves observed by Venus Express. *Icarus*, **2022**, 380, 114993	3.8	
1297	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	2.8	1
1296	ULF Wave-Induced Ion Pitch Angle Evolution in the Dayside Outer Magnetosphere. *Geophysical Research Letters*, **2022**, 49,	4.9	
1295	Electron energization and thermal to non-thermal energy partition during earth's magnetotail reconnection. *Physics of Plasmas*, **2022**, 29, 052904	2.1	1
1294	The EDR inflow region of a reconnecting current sheet in the geomagnetic tail. *Physics of Plasmas*, **2022**, 29, 052903	2.1	1
1293	Determining the Relative Cratering Ages of Regions of Psyche Surface. *Space Science Reviews*, **2022**, 218, 1	7.5	0
1292	Electron-Only Reconnection as a Transition From Quiet Current Sheet to Standard Reconnection in Earth's Magnetotail: Particle-In-Cell Simulation and Application to MMS Data. *Geophysical Research Letters*, **2022**, 49,	4.9	0
1291	Structure of a Perturbed Magnetic Reconnection Electron Diffusion Region in the Earth's Magnetotail. *Physical Review Letters*, **2021**, 127, 215101	7.4	5
1290	Mapping MMS Observations of Solitary Waves in Earth's Magnetic Field. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029389	2.6	
1289	Large-Scale Parallel Electric Field Colocated in an Extended Electron Diffusion Region During the Magnetosheath Magnetic Reconnection. *Geophysical Research Letters*, **2021**, 48, e2021GL094879	4.9	1
1288	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. *Physics of Plasmas*, **2021**, 28, 122901	2.1	2
1287	SECS Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029839	2.6	1
1286	Thin Current Sheet Behind the Dipolarization Front. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029518	2.6	1

1285	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	2.6	2
1284	Formation of Ejecta and Dust Pond Deposits on Asteroid Vesta. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2021JE006873	4.1	
1283	Effect of the Electric Field on the Agyrotropic Electron Distributions. *Geophysical Research Letters*, **2021**, 48, e2020GL091437	4.9	1
1282	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	2.6	3
1281	Large Amplitude Electrostatic Proton Plasma Frequency Waves in the Magnetospheric Separatrix and Outflow Regions During Magnetic Reconnection. *Geophysical Research Letters*, **2021**, 48, e2020GL090286	4.9	2
1280	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	6
1279	Configuration of the Earth's Magnetotail Current Sheet. *Geophysical Research Letters*, **2021**, 48, e2020GL092153	4.9	4
1278	Determining EMIC Wave Vector Properties Through Multi-Point Measurements: The Wave Curl Analysis. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028922	2.6	2
1277	Temporal Evolution of Flux Rope/Tube Entanglement in 3-D Hall MHD Simulations. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028698	2.6	1
1276	Electron Trapping in Magnetic Mirror Structures at the Edge of Magnetopause Flux Ropes. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029182	2.6	1
1275	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultra-low Frequency Waves. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028912	2.6	2
1274	MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028936	2.6	0
1273	Compositional control on impact crater formation on mid-sized planetary bodies: Dawn at Ceres and Vesta, Cassini at Saturn. *Icarus*, **2021**, 359, 114343	3.8	12
1272	A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029294	2.6	
1271	Statistical Survey of Collisionless Dissipation in the Terrestrial Magnetosheath. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029000	2.6	4
1270	MMS Observations of Energized He+ Pickup Ions at Quasiperpendicular Shocks. *Astrophysical Journal*, **2021**, 913, 112	4.7	2
1269	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth's Magnetopause. *Astrophysical Journal*, **2021**, 914, 26	4.7	1
1268	The Brittle Boulders of Dwarf Planet Ceres. *Planetary Science Journal*, **2021**, 2, 111	2.9	2

1267	Comparison of MMS Observations of Foreshock Bubbles With a Global Hybrid Simulation. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028848	2.6	1
1266	Replenishment of Near-Surface Water Ice by Impacts Into Ceres' Volatile-Rich Crust: Observations by Dawn's Gamma Ray and Neutron Detector. *Geophysical Research Letters*, **2021**, 48, e2021GL094223	4.9	0
1265	Electrostatic Solitary Waves in the Earth's Bow Shock: Nature, Properties, Lifetimes, and Origin. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029357	2.6	7
1264	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	2.6	4
1263	The Boulder Population of Asteroid 4 Vesta: Size-Frequency Distribution and Survival Time. *Earth and Space Science*, **2021**, 8, e2019EA000941	3.1	5
1262	Observations of Mirror Mode Structures in the Dawn-Side Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028649	2.6	0
1261	The Dynamics of a High Mach Number Quasi-perpendicular Shock: MMS Observations. *Astrophysical Journal*, **2021**, 908, 40	4.7	11
1260	Electron-Only Tail Current Sheets and Their Temporal Evolution. *Geophysical Research Letters*, **2021**, 48, e2020GL091364	4.9	8
1259	MMS Observations of Reconnection Separatrix Region in the Magnetotail at Different Distances From the Active Neutral X-Line. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028694	2.6	1
1258	In Situ Evidence of Ion Acceleration between Consecutive Reconnection Jet Fronts. *Astrophysical Journal*, **2021**, 908, 73	4.7	2
1257	Statistical Characteristics of Field-Aligned Currents in the Plasma Sheet Boundary Layer. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028319	2.6	4
1256	Two-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	2.6	2
1255	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	2.6	3
1254	Observation of Nonuniform Energy Dissipation in the Electron Diffusion Region of Magnetopause Reconnection. *Geophysical Research Letters*, **2021**, 48, e2020GL091928	4.9	1
1253	Upper-Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. *Geophysical Research Letters*, **2021**, 48, e2021GL093164	4.9	3
1252	Nonlinear Magnetic Gradients and Complete Magnetic Geometry From Multispacecraft Measurements. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028846	2.6	1
1251	Superposed Epoch Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029465	2.6	0
1250	High Mach Number Quasi-Perpendicular Shocks: Spatial Versus Temporal Structure. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029287	2.6	0

1249	Anomalous Reconnection Layer at Earth's Dayside Magnetopause. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029678	2.6	1
1248	The surface of (4) Vesta in visible light as seen by Dawn/VIR. *Astronomy and Astrophysics*, **2021**, 653, A118	5.1	
1247	Off-Equatorial Minima Effects on ULF Wave-Ion Interaction in the Dayside Outer Magnetosphere. *Geophysical Research Letters*, **2021**, 48, e2021GL095648	4.9	3
1246	Shock Mach Number Estimates Using Incomplete Measurements. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029519	2.6	1
1245	Venus lightning: Estimation of charge and dimensions of charge regions for lightning initiation. *Icarus*, **2021**, 365, 114473	3.8	1
1244	Thermal inertia of Occator's faculae on Ceres. *Planetary and Space Science*, **2021**, 205, 105285	2	
1243	The unique spectral and geomorphological characteristics of pitted impact deposits associated with Marcia crater on Vesta. *Icarus*, **2021**, 369, 114633	3.8	0
1242	Solitary Magnetic Structures at Quasi-Parallel Collisionless Shocks: Formation. *Geophysical Research Letters*, **2021**, 48, e2020GL090800	4.9	6
1241	Comparative Study of Electric Currents and Energetic Particle Fluxes in a Solar Flare and Earth Magnetospheric Substorm. *Astrophysical Journal*, **2021**, 923, 151	4.7	0
1240	Observation of an inertial-range energy cascade within a reconnection jet in the Earth magnetotail. *Monthly Notices of the Royal Astronomical Society: Letters*, **2020**, 500, L6-L10	4.3	2
1239	Physical Implication of Two Types of Reconnection Electron Diffusion Regions With and Without Ion-Coupling in the Magnetotail Current Sheet. *Geophysical Research Letters*, **2020**, 47, e2020GL088761	4.9	4
1238	Magnetospheric Multiscale observations of energetic oxygen ions at the duskside magnetopause during intense substorms. *Annales Geophysicae*, **2020**, 38, 123-135	2	1
1237	Distribution and Properties of Magnetic Flux Ropes in Titan's Ionosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027570	2.6	3
1236	Formation and Evolution of the Large-Scale Magnetic Fields in Venus' Ionosphere: Results From a Three Dimensional Global Multispecies MHD Model. *Geophysical Research Letters*, **2020**, 47, e2020GL087593	4.9	6
1235	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027488	2.6	5
1234	In Situ Observation of Hall Magnetohydrodynamic Cascade in Space Plasma. *Physical Review Letters*, **2020**, 124, 225101	7.4	26
1233	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	2.6	6
1232	Overshoot dependence on the cross-shock potential. *Annales Geophysicae*, **2020**, 38, 17-26	2	3

1231	Direct Evidence for Electron Acceleration Within Ion-Scale Flux Rope. *Geophysical Research Letters*, **2020**, 47, e2019GL085141	4.9	23
1230	Ceres partial differentiation: undifferentiated crust mixing with a water-rich mantle. *Astronomy and Astrophysics*, **2020**, 633, A117	5.1	12
1229	Extension of the Electron Diffusion Region in a Guide Field Magnetic Reconnection at Magnetopause. *Astrophysical Journal Letters*, **2020**, 892, L5	7.9	6
1228	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. *Frontiers in Astronomy and Space Sciences*, **2020**, 6,	3.8	12
1227	Latitudinal Dependence of the Kelvin-Helmholtz Instability and Beta Dependence of Vortex-Induced High-Guide Field Magnetic Reconnection. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027333	2.6	4
1226	MMS Observations of Accelerated Interstellar Pickup He+ Ions at an Interplanetary Shock. *Astrophysical Journal*, **2020**, 897, 6	4.7	1
1225	Statistics of Kinetic Dissipation in the Earth's Magnetosheath: MMS Observations. *Physical Review Letters*, **2020**, 124, 255101	7.4	22
1224	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. *Physical Review Letters*, **2020**, 125, 025103	7.4	13
1223	Ceres observed at low phase angles by VIR-Dawn. *Astronomy and Astrophysics*, **2020**, 634, A39	5.1	5
1222	Generation of Turbulence in Kelvin-Helmholtz Vortices at the Earth's Magnetopause: Magnetospheric Multiscale Observations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027595	2.6	9
1221	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. *Journal of Plasma Physics*, **2020**, 86,	2.7	9
1220	Observations, Meteorites, and Models: A Preflight Assessment of the Composition and Formation of (16) Psyche. *Journal of Geophysical Research E: Planets*, **2020**, 125, e2019JE006296	4.1	27
1219	Characteristics of Escaping Magnetospheric Ions Associated With Magnetic Field Fluctuations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027337	2.6	0
1218	Crustal and time-varying magnetic fields at the InSight landing site on Mars. *Nature Geoscience*, **2020**, 13, 199-204	18.3	42
1217	Observational Evidence for Stochastic Shock Drift Acceleration of Electrons at the Earth's Bow Shock. *Physical Review Letters*, **2020**, 124, 065101	7.4	17
1216	Asymmetric Reconnection Within a Flux Rope-Type Dipolarization Front. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027296	2.6	3
1215	Electron Heating by Debye-Scale Turbulence in Guide-Field Reconnection. *Physical Review Letters*, **2020**, 124, 045101	7.4	16
1214	Statistics of Reconnecting Current Sheets in the Transition Region of Earth's Bow Shock. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027119	2.6	15

1213	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	2.6	9
1212	Electrostatic Turbulence and Debye-scale Structures in Collisionless Shocks. *Astrophysical Journal Letters*, **2020**, 889, L9	7.9	22
1211	Polynomial Reconstruction of the Reconnection Magnetic Field Observed by Multiple Spacecraft. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027481	2.6	18
1210	Fracture geometry and statistics of Ceres□floor fractures. *Planetary and Space Science*, **2020**, 187, 104955	2	3
1209	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027665	2.6	9
1208	In Situ Measurement of Curvature of Magnetic Field in Turbulent Space Plasmas: A Statistical Study. *Astrophysical Journal Letters*, **2020**, 893, L25	7.9	6
1207	Electron Mixing and Isotropization in the Exhaust of Asymmetric Magnetic Reconnection With a Guide Field. *Geophysical Research Letters*, **2020**, 47, e2020GL087159	4.9	1
1206	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. *Physical Review Letters*, **2020**, 125, 265102	7.4	7
1205	Organic Material on Ceres: Insights from Visible and Infrared Space Observations. *Life*, **2020**, 11,	3	4
1204	Direct Measurement of the Solar-wind Taylor Microscale Using MMS Turbulence Campaign Data. *Astrophysical Journal*, **2020**, 899, 63	4.7	9
1203	Scaling and Anisotropy of Solar Wind Turbulence at Kinetic Scales during the MMS Turbulence Campaign. *Astrophysical Journal*, **2020**, 903, 127	4.7	4
1202	Evolution of the Earth□ Magnetosheath Turbulence: A Statistical Study Based on MMS Observations. *Astrophysical Journal Letters*, **2020**, 898, L43	7.9	8
1201	Electron Energization and Energy Dissipation in Microscale Electromagnetic Environments. *Astrophysical Journal Letters*, **2020**, 899, L31	7.9	6
1200	Observation of Energy Conversion Near the X-line in Asymmetric Guide-field Reconnection. *Astrophysical Journal Letters*, **2020**, 895, L10	7.9	1
1199	Sequential Observations of Flux Transfer Events, Poleward-Moving Auroral Forms, and Polar Cap Patches. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027674	2.6	3
1198	Temporal Evolution of Flux Tube Entanglement at the Magnetopause as Observed by the MMS Satellites. *Geophysical Research Letters*, **2020**, 47, e2020GL090314	4.9	3
1197	Initial results from the InSight mission on Mars. *Nature Geoscience*, **2020**, 13, 183-189	18.3	155
1196	The Solar Orbiter magnetometer. *Astronomy and Astrophysics*, **2020**, 642, A9	5.1	51

1195	The surface of (1) Ceres in visible light as seen by Dawn/VIR. *Astronomy and Astrophysics*, **2020**, 642, A74	5.1	5
1194	Ceres: Astrobiological Target and Possible Ocean World. *Astrobiology*, **2020**, 20, 269-291	3.7	27
1193	Electron Bernstein waves driven by electron crescents near the electron diffusion region. *Nature Communications*, **2020**, 11, 141	17.4	14
1192	Comparison of the Flank Magnetopause at Near-Earth and Lunar Distances: MMS and ARTEMIS Observations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028406	2.6	1
1191	Flux Transfer Event With an Electron-Scale Substructure Observed by the Magnetospheric Multiscale Mission. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027308	2.6	0
1190	Observations of Electron-Only Magnetic Reconnection Associated With Macroscopic Magnetic Flux Ropes. *Geophysical Research Letters*, **2020**, 47, e2020GL089659	4.9	7
1189	Multiscale Coupling During Magnetopause Reconnection: Interface Between the Electron and Ion Diffusion Regions. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027985	2.6	3
1188	Energetic Ion Reflections at Interplanetary Shocks: First Observations From ARTEMIS. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028174	2.6	1
1187	Propagating and Dynamic Properties of Magnetic Dips in the Dayside Magnetosheath: MMS Observations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA026736	2.6	9
1186	Kinetic-scale Flux Rope in the Magnetosheath Boundary Layer. *Astrophysical Journal*, **2020**, 897, 137	4.7	8
1185	The varied sources of faculae-forming brines in Ceres' Occator crater emplaced via hydrothermal brine effusion. *Nature Communications*, **2020**, 11, 3680	17.4	23
1184	Impact heat driven volatile redistribution at Occator crater on Ceres as a comparative planetary process. *Nature Communications*, **2020**, 11, 3679	17.4	13
1183	Evidence of non-uniform crust of Ceres from Dawn's high-resolution gravity data. *Nature Astronomy* , **2020**, 4, 748-755	12.1	19
1182	Fresh emplacement of hydrated sodium chloride on Ceres from ascending salty fluids. *Nature Astronomy*, **2020**, 4, 786-793	12.1	36
1181	Impact-driven mobilization of deep crustal brines on dwarf planet Ceres. *Nature Astronomy*, **2020**, 4, 741-747	12.1	34
1180	Post-impact cryo-hydrologic formation of small mounds and hills in Ceres's Occator crater. *Nature Geoscience*, **2020**, 13, 605-610	18.3	9
1179	Determination of the Configurations of Boundaries in Space. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028163	2.6	1
1178	The BepiColombo Mio Magnetometer en Route to Mercury. *Space Science Reviews*, **2020**, 216, 1	7.5	9

1177	The science mission of SpaceIL's Beresheet lander. *Planetary and Space Science*, **2020**, 194, 105115	2	1
1176	Turbulent Wavefield Morphology and Ion Scattering in the Magnetosheath. *Geophysical Research Letters*, **2020**, 47, e2020GL089613	4.9	1
1175	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. *Nature Communications*, **2020**, 11, 5049	17.4	37
1174	The Origin of Observed Magnetic Variability for a Sol on Mars From InSight. *Journal of Geophysical Research E: Planets*, **2020**, 125, e2020JE006505	4.1	5
1173	Solar Wind Conditions During the First 42 Months of Magnetospheric Multiscale Mission. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028207	2.6	
1172	Flux Ropes Are Born in Pairs: An Outcome of Interlinked, Reconnecting Flux Tubes. *Geophysical Research Letters*, **2020**, 47, e2020GL087620	4.9	9
1171	MMS Observation of Secondary Magnetic Reconnection Beside Ion-Scale Flux Rope at the Magnetopause. *Geophysical Research Letters*, **2020**, 47, e2020GL089075	4.9	5
1170	Electron Inflow Velocities and Reconnection Rates at Earth's Magnetopause and Magnetosheath. *Geophysical Research Letters*, **2020**, 47, e2020GL089082	4.9	11
1169	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	2.6	16
1168	High Thermal Inertia Zones on Ceres From Dawn Data. *Journal of Geophysical Research E: Planets*, **2020**, 125, e2018JE005733	4.1	7
1167	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7477-7493	2.6	6
1166	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 1. Survey and Statistical Analysis. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7442-7458	2.6	16
1165	Four-Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near-Earth Plasma Environment. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6850-6868	2.6	5
1164	Dome formation on Ceres by solid-state flow analogous to terrestrial salt tectonics. *Nature Geoscience*, **2019**, 12, 797-801	18.3	10
1163	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. *Geophysical Research Letters*, **2019**, 46, 1937-1946	4.9	23
1162	The Hall Electric Field in Earth's Magnetotail Thin Current Sheet. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1052-1062	2.6	20
1161	Turbulence-Driven Ion Beams in the Magnetospheric Kelvin-Helmholtz Instability. *Physical Review Letters*, **2019**, 122, 035102	7.4	43
1160	Spectrophotometric modeling and mapping of Ceres. *Icarus*, **2019**, 322, 144-167	3.8	18

1159	Observations of an Electron Diffusion Region in Symmetric Reconnection with Weak Guide Field. *Astrophysical Journal*, **2019**, 870, 34	4.7	53
1158	Observational Evidence of Magnetic Reconnection in the Terrestrial Bow Shock Transition Region. *Geophysical Research Letters*, **2019**, 46, 562-570	4.9	28
1157	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1173-1186	2.6	25
1156	Prolonged Kelvin–Helmholtz Waves at Dawn and Dusk Flank Magnetopause: Simultaneous Observations by MMS and THEMIS. *Astrophysical Journal*, **2019**, 875, 57	4.7	6
1155	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earth's Magnetosheath. *Astrophysical Journal Letters*, **2019**, 877, L37	7.9	52
1154	Electron Diffusion Regions in Magnetotail Reconnection Under Varying Guide Fields. *Geophysical Research Letters*, **2019**, 46, 6230-6238	4.9	20
1153	Slurry extrusion on Ceres from a convective mud-bearing mantle. *Nature Geoscience*, **2019**, 12, 505-509	18.3	26
1152	EMIC Waves in the Outer Magnetosphere: Observations of an Off-Equator Source Region. *Geophysical Research Letters*, **2019**, 46, 5707-5716	4.9	16
1151	Electron Sublayers and the Associated Magnetic Topologies in the Inner Low-Latitude Boundary Layer. *Geophysical Research Letters*, **2019**, 46, 5746-5753	4.9	1
1150	Carriers of the Field-Aligned Currents in the Plasma Sheet Boundary Layer: An MMS Multicase Study. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2873	2.6	5
1149	Whistler Waves Driven by Field-Aligned Streaming Electrons in the Near-Earth Magnetotail Reconnection. *Geophysical Research Letters*, **2019**, 46, 5045-5054	4.9	11
1148	Large-Amplitude Electromagnetic Ion Cyclotron Waves and Density Fluctuations in the Flank of the Earth's Magnetosheath. *Geophysical Research Letters*, **2019**, 46, 4545-4553	4.9	7
1147	The Dominant Role of Energetic Ions in Solar Wind Interaction With the Moon. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 3176-3192	2.6	4
1146	Magnetospheric Multiscale Observations of ULF Waves and Correlated Low-Energy Ion Monoenergetic Acceleration. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2788	2.6	4
1145	(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	2.6	27
1144	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	4.1	11
1143	Crescent-Shaped Electron Distributions at the Nonreconnecting Magnetopause: Magnetospheric Multiscale Observations. *Geophysical Research Letters*, **2019**, 46, 3024-3032	4.9	11
1142	Magnetospheric Multiscale Observation of Kinetic Signatures in the Alfvén Vortex. *Astrophysical Journal Letters*, **2019**, 871, L22	7.9	19

1141	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	2.6	13
1140	Direct evidence of nonstationary collisionless shocks in space plasmas. *Science Advances*, **2019**, 5, eaau9926	12.3	18
1139	High-Frequency Wave Generation in Magnetotail Reconnection: Linear Dispersion Analysis. *Geophysical Research Letters*, **2019**, 46, 4089-4097	4.9	21
1138	In situ spacecraft observations of a structured electron diffusion region during magnetopause reconnection. *Physical Review E*, **2019**, 99, 043204	2.4	9
1137	A Global Inventory of Ice-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	4.1	26
1136	On the Kinetic Nature of Solar Wind Discontinuities. *Geophysical Research Letters*, **2019**, 46, 1185-1194	4.9	15
1135	Observations of Magnetic Reconnection in the Transition Region of Quasi-Parallel Shocks. *Geophysical Research Letters*, **2019**, 46, 1177-1184	4.9	31
1134	Landslides on Ceres: Inferences Into Ice Content and Layering in the Upper Crust. *Journal of Geophysical Research E: Planets*, **2019**, 124, 1512	4.1	8
1133	Spectral analysis of the Cerean geological unit crater central peak material as an indicator of subsurface mineral composition. *Icarus*, **2019**, 318, 75-98	3.8	4
1132	Elemental composition and mineralogy of Vesta and Ceres: Distribution and origins of hydrogen-bearing species. *Icarus*, **2019**, 318, 42-55	3.8	28
1131	Tectonic analysis of fracturing associated with occator crater. *Icarus*, **2019**, 320, 49-59	3.8	14
1130	The spectral parameter maps of Ceres from NASA/DAWN VIR data. *Icarus*, **2019**, 318, 14-21	3.8	7
1129	The mineralogy of Ceres Nawish quadrangle. *Icarus*, **2019**, 318, 195-204	3.8	1
1128	Substorm-Related Near-Earth Reconnection Surge: Combining Telescopic and Microscopic Views. *Geophysical Research Letters*, **2019**, 46, 6239-6247	4.9	1
1127	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. *Geophysical Research Letters*, **2019**, 46, 6287-6296	4.9	13
1126	Modeling Wind-Driven Ionospheric Dynamo Currents at Mars: Expectations for InSight Magnetic Field Measurements. *Geophysical Research Letters*, **2019**, 46, 5083-5091	4.9	10
1125	Velocity Rotation Events in the Outer Magnetosphere Near the Magnetopause. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4137-4156	2.6	2
1124	Continent-Wide R1/R2 Current System and Ohmic Losses by Broad Dipolarization-Injection Fronts. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4064-4082	2.6	5

1123	Landslides on Ceres: Diversity and Geologic Context. *Journal of Geophysical Research E: Planets*, **2019**, 124, 3329-3343	4.1	10
1122	Nonideal Electric Field Observed in the Separatrix Region of a Magnetotail Reconnection Event. *Geophysical Research Letters*, **2019**, 46, 10744-10753	4.9	8
1121	Energy Conversion and Electron Acceleration in the Magnetopause Reconnection Diffusion Region. *Geophysical Research Letters*, **2019**, 46, 10274-10282	4.9	6
1120	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multiple-Instrument Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7459-7476	2.6	21
1119	The Solar Clock. *Reviews of Geophysics*, **2019**, 57, 1129-1145	23.1	2
1118	Origin of two-band chorus in the radiation belt of Earth. *Nature Communications*, **2019**, 10, 4672	17.4	29
1117	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	2.6	10
1116	Electron-scale Vertical Current Sheets in a Bursty Bulk Flow in the Terrestrial Magnetotail. *Astrophysical Journal Letters*, **2019**, 872, L26	7.9	11
1115	Sub-ion-scale Dynamics of the Ion Diffusion Region in the Magnetotail: MMS Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7898-7911	2.6	2
1114	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	2.6	1
1113	Electron Mirror-mode Structure: Magnetospheric Multiscale Observations. *Astrophysical Journal Letters*, **2019**, 881, L31	7.9	20
1112	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. *Geophysical Research Letters*, **2019**, 46, 11622-11631	4.9	6
1111	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	2.6	13
1110	Search for water outgassing of (1) Ceres near perihelion. *Astronomy and Astrophysics*, **2019**, 628, A22	5.1	7
1109	Asymmetric Craters on the Dwarf Planet Ceres: Results of Second Extended Mission Data Analysis. *Geosciences (Switzerland)*, **2019**, 9, 475	2.7	1
1108	Energy Conversion and Dissipation at Dipolarization Fronts: A Statistical Overview. *Geophysical Research Letters*, **2019**, 46, 12693-12701	4.9	24
1107	Acceleration of Interstellar Pickup He+ at Earth's Perpendicular Bow Shock. *Geophysical Research Letters*, **2019**, 46, 10735-10743	4.9	6
1106	Observation of Nongyrotropic Electron Distribution Across the Electron Diffusion Region in the Magnetotail Reconnection. *Geophysical Research Letters*, **2019**, 46, 14263-14273	4.9	10

1105	Magnetized Dust Clouds Penetrating the Terrestrial Bow Shock Detected by Multiple Spacecraft. *Geophysical Research Letters*, **2019**, 46, 14282-14289	4.9	1
1104	Small Spatial-Scale Field-Aligned Currents in the Plasma Sheet Boundary Layer Surveyed by Magnetosphere Multiscale Spacecraft. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9976-9985	3.6	7
1103	Observations of Electromagnetic Electron Holes and Evidence of Cherenkov Whistler Emission. *Physical Review Letters*, **2019**, 123, 255101	7.4	8
1102	Electron Scattering by Low-frequency Whistler Waves at Earth's Bow Shock. *Astrophysical Journal*, **2019**, 886, 53	4.7	11
1101	InSight Auxiliary Payload Sensor Suite (APSS). *Space Science Reviews*, **2019**, 215, 1	7.5	64
1100	Multispacecraft Analysis of Electron Holes. *Geophysical Research Letters*, **2019**, 46, 55-63	4.9	23
1099	Surface composition of dwarf planet Ceres: Constraints from the Dawn spacecraft mission. *Icarus*, **2019**, 318, 1	3.8	1
1098	Water Vapor Contribution to Ceres' Exosphere From Observed Surface Ice and Postulated Ice-Exposing Impacts. *Journal of Geophysical Research E: Planets*, **2019**, 124, 61-75	4.1	15
1097	Waves in Kinetic-Scale Magnetic Dips: MMS Observations in the Magnetosheath. *Geophysical Research Letters*, **2019**, 46, 523-533	4.9	35
1096	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	2.6	16
1095	Characteristics of organic matter on Ceres from VIR/Dawn high spatial resolution spectra. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 2407-2421	4.3	25
1094	High-resolution shape model of Ceres from stereophotoclinometry using Dawn Imaging Data. *Icarus*, **2019**, 319, 812-827	3.8	34
1093	The various ages of Occator crater, Ceres: Results of a comprehensive synthesis approach. *Icarus*, **2019**, 320, 60-82	3.8	31
1092	An aqueously altered carbon-rich Ceres. *Nature Astronomy*, **2019**, 3, 140-145	12.1	48
1091	Normal Faults on Ceres: Insights Into the Mechanical Properties and Thermal History of Nar Sulcus. *Geophysical Research Letters*, **2019**, 46, 80-88	4.9	5
1090	Mineralogy mapping of the Ac-H-5 Fejokoo quadrangle of Ceres. *Icarus*, **2019**, 318, 147-169	3.8	1
1089	Synthesis of the special issue: The formation and evolution of Ceres' Occator crater. *Icarus*, **2019**, 320, 213-225	3.8	14
1088	Mineralogical analysis of the Ac-H-6 Haulani quadrangle of the dwarf planet Ceres. *Icarus*, **2019**, 318, 170-187	3.8	9

1087	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	3.8	5
1086	Mineralogical analysis of quadrangle Ac-H-10 Rongo on the dwarf planet Ceres. *Icarus*, **2019**, 318, 212-229	3.8	5
1085	Mineralogy of the Occator quadrangle. *Icarus*, **2019**, 318, 205-211	3.8	7
1084	Compositional differences among Bright Spots on the Ceres surface. *Icarus*, **2019**, 320, 202-212	3.8	26
1083	Spectral investigation of quadrangle AC-H 3 of the dwarf planet Ceres The region of impact crater Dantu. *Icarus*, **2019**, 318, 111-123	3.8	3
1082	Mineralogical mapping of the Kerwan quadrangle on Ceres. *Icarus*, **2019**, 318, 188-194	3.8	5
1081	Ceres impact craters Relationships between surface composition and geology. *Icarus*, **2019**, 318, 56-74	3.8	6
1080	The formation and evolution of bright spots on Ceres. *Icarus*, **2019**, 320, 188-201	3.8	37
1079	Mineralogy of the Urvara Yalode region on Ceres. *Icarus*, **2019**, 318, 241-250	3.8	5
1078	Bright carbonate surfaces on Ceres as remnants of salt-rich water fountains. *Icarus*, **2019**, 320, 39-48	3.8	33
1077	Introduction to the special issue: The formation and evolution of Ceres Occator crater. *Icarus*, **2019**, 320, 1-6	3.8	4
1076	Photometry of Ceres and Occator faculae as inferred from VIR/Dawn data. *Icarus*, **2019**, 320, 97-109	3.8	12
1075	Mineralogy of Occator crater on Ceres and insight into its evolution from the properties of carbonates, phyllosilicates, and chlorides. *Icarus*, **2019**, 320, 83-96	3.8	44
1074	Ceres Occator crater and its faculae explored through geologic mapping. *Icarus*, **2019**, 320, 7-23	3.8	16
1073	The surface composition of Ceres Ezinu quadrangle analyzed by the Dawn mission. *Icarus*, **2019**, 318, 124-146	3.8	4
1072	Exposed H2O-rich areas detected on Ceres with the dawn visible and infrared mapping spectrometer. *Icarus*, **2019**, 318, 22-41	3.8	38
1071	Mineralogical mapping of Coniraya quadrangle of the dwarf planet Ceres. *Icarus*, **2019**, 318, 99-110	3.8	15
1070	Global and local re-impact and velocity regime of ballistic ejecta of boulder craters on Ceres. *Planetary and Space Science*, **2018**, 153, 142-156	2	4

1069	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	2.6	18
1068	Large-Scale Survey of the Structure of the Dayside Magnetopause by MMS. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2018	2.6	16
1067	Energy partitioning constraints at kinetic scales in low- turbulence. *Physics of Plasmas*, **2018**, 25,	2.1	20
1066	Determining L-M-N Current Sheet Coordinates at the Magnetopause From Magnetospheric Multiscale Data. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2274	2.6	20
1065	Mineralogy and temperature of crater Haulani on Ceres. *Meteoritics and Planetary Science*, **2018**, 53, 1902-1924	2.8	17
1064	An Electron-Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. *Geophysical Research Letters*, **2018**, 45, 4542-4549	4.9	31
1063	Ceres internal structure from geophysical constraints. *Meteoritics and Planetary Science*, **2018**, 53, 1999-2007	2.8	14
1062	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. *Geophysical Research Letters*, **2018**, 45, 3338-3347	4.9	40
1061	Dawn mission's search for satellites of Ceres: Intact protoplanets don't have satellites. *Icarus*, **2018**, 316, 191-204	3.8	6
1060	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1224-1241	2.6	31
1059	Morphological Indicators of a Mascon Beneath Ceres's Largest Crater, Kerwan. *Geophysical Research Letters*, **2018**, 45, 1297-1304	4.9	13
1058	Electron Crescent Distributions as a Manifestation of Diamagnetic Drift in an Electron-Scale Current Sheet: Magnetospheric Multiscale Observations Using New 7.5 ́ms Fast Plasma Investigation Moments. *Geophysical Research Letters*, **2018**, 45, 578-584	4.9	39
1057	MMS Observation of Asymmetric Reconnection Supported by 3-D Electron Pressure Divergence. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1806	2.6	24
1056	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 146-162	2.6	9
1055	Geologic constraints on the origin of red organic-rich material on Ceres. *Meteoritics and Planetary Science*, **2018**, 53, 1983-1998	2.8	25
1054	Magnetospheric Multiscale Observations of Electron Scale Magnetic Peak. *Geophysical Research Letters*, **2018**, 45, 527-537	4.9	25
1053	Differing Properties of Two Ion-Scale Magnetopause Flux Ropes. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 114-131	2.6	7
1052	Electron Jet Detected by MMS at Dipolarization Front. *Geophysical Research Letters*, **2018**, 45, 556-564	4.9	56

1051	Guide Field Reconnection: Exhaust Structure and Heating. *Geophysical Research Letters*, **2018**, 45, 4569-4577	4.7	23
1050	Multipoint Analysis of Electric Currents in Geospace Using the Curlometer Technique. *Geophysical Monograph Series*, **2018**, 67-80	1.1	12
1049	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. *Geophysical Research Letters*, **2018**, 45, 1237-1245	4.9	31
1048	Wave Phenomena and Beam-Plasma Interactions at the Magnetopause Reconnection Region. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1118-1133	2.6	13
1047	Nature, formation, and distribution of carbonates on Ceres. *Science Advances*, **2018**, 4, e1701645	14.3	62
1046	Variations in the amount of water ice on Ceres' surface suggest a seasonal water cycle. *Science Advances*, **2018**, 4, eaao3757	14.3	37
1045	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. *Astrophysical Journal Letters*, **2018**, 856, L19	7.9	39
1044	STEREOObservations of Interplanetary Coronal Mass Ejections in 2007–2016. *Astrophysical Journal*, **2018**, 855, 114	4.7	38
1043	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	2	10
1042	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	2.6	24
1041	The geology of the occator quadrangle of dwarf planet Ceres: Floor-fractured craters and other geomorphic evidence of cryomagmatism. *Icarus*, **2018**, 316, 128-139	3.8	20
1040	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	3.8	13
1039	Geology of Ceres North Pole quadrangle with Dawn FC imaging data. *Icarus*, **2018**, 316, 14-27	3.8	3
1038	Geologic mapping of the Urvara and Yalode Quadrangles of Ceres. *Icarus*, **2018**, 316, 167-190	3.8	18
1037	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	3.8	14
1036	The Ac-5 (Fejokoo) quadrangle of Ceres: Geologic map and geomorphological evidence for ground ice mediated surface processes. *Icarus*, **2018**, 316, 63-83	3.8	15
1035	Carbonaceous chondrites as analogs for the composition and alteration of Ceres. *Meteoritics and Planetary Science*, **2018**, 53, 1793-1804	2.8	43
1034	The Ceres gravity field, spin pole, rotation period and orbit from the Dawn radiometric tracking and optical data. *Icarus*, **2018**, 299, 411-429	3.8	49

1033	Nanodust released in interplanetary collisions. *Planetary and Space Science*, **2018**, 156, 2-6	2	4
1032	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	2.6	19
1031	Electron Dynamics in Magnetosheath Mirror-Mode Structures. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5561-5570	2.6	24
1030	Carriers and Sources of Magnetopause Current: MMS Case Study. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5464-5475	2.6	8
1029	Energy Conversion and Collisionless Plasma Dissipation Channels in the Turbulent Magnetosheath Observed by the Magnetospheric Multiscale Mission. *Astrophysical Journal*, **2018**, 862, 32	4.7	43
1028	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. *Nature*, **2018**, 557, 202-206	50.4	173
1027	Magnetic depression and electron transport in an ion-scale flux rope associated with Kelvin□Helmholtz waves. *Annales Geophysicae*, **2018**, 36, 879-889	2	7
1026	MMS Observations of Harmonic Electromagnetic Ion Cyclotron Waves. *Geophysical Research Letters*, **2018**, 45, 8764-8772	4.9	9
1025	The geology of the Nawish quadrangle of Ceres: The rim of an ancient basin. *Icarus*, **2018**, 316, 114-127	3.8	3
1024	Intense Electric Fields and Electron-Scale Substructure Within Magnetotail Flux Ropes as Revealed by the Magnetospheric Multiscale Mission. *Geophysical Research Letters*, **2018**, 45, 8783-8792	4.9	21
1023	Ceres's global and localized mineralogical composition determined by Dawn's Visible and Infrared Spectrometer (VIR). *Meteoritics and Planetary Science*, **2018**, 53, 1844-1865	2.8	19
1022	Ring-Mold Craters on Ceres: Evidence for Shallow Subsurface Water Ice Sources. *Geophysical Research Letters*, **2018**, 45, 8121-8128	4.9	2
1021	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. *Astrophysical Journal*, **2018**, 859, 127	4.7	21
1020	Field-Aligned Currents Originating From the Magnetic Reconnection Region: Conjugate MMS-ARTEMIS Observations. *Geophysical Research Letters*, **2018**, 45, 5836-5844	4.9	7
1019	Solitary Waves Across Supercritical Quasi-Perpendicular Shocks. *Geophysical Research Letters*, **2018**, 45, 5809	4.9	26
1018	Geologic mapping of the Ac-11 Sintana quadrangle: Assessing diverse crater morphologies. *Icarus*, **2018**, 316, 154-166	3.8	3
1017	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	3.8	16
1016	The geology of the Kerwan quadrangle of dwarf planet Ceres: Investigating Ceres□oldest, largest impact basin. *Icarus*, **2018**, 316, 99-113	3.8	22

1015	Effects in the Near-Magnetopause Magnetosheath Elicited by Large-Amplitude Alfvenic Fluctuations Terminating in a Field and Flow Discontinuity. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8983-9004	2.6	1
1014	Reconnection in the Martian Magnetotail: Hall-MHD With Embedded Particle-in-Cell Simulations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3742-3763	2.6	12
1013	Ceres's spectral link to carbonaceous chondrites: Analysis of the dark background materials. *Meteoritics and Planetary Science*, **2018**, 53, 1925-1945	2.8	4
1012	Dantu's mineralogical properties: A view into the composition of Ceres' crust. *Meteoritics and Planetary Science*, **2018**, 53, 1866-1883	2.8	7
1011	Magnetospheric Multiscale Observations of Turbulence in the Magnetosheath on Kinetic Scales. *Astrophysical Journal Letters*, **2018**, 864, L29	7.9	16
1010	Multiscale Currents Observed by MMS in the Flow Braking Region. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1260-1278	2.6	27
1009	How Accurately Can We Measure the Reconnection Rate for the MMS Diffusion Region Event of 11 July 2017?. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9130-9149	2.6	46
1008	Electron Reconnection in the Magnetopause Current Layer. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9222-9238	2.6	8
1007	Magnetospheric Multiscale Dayside Reconnection Electron Diffusion Region Events. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4858-4878	2.6	60
1006	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	2.6	24
1005	Shock ripples observed by the MMS spacecraft: ion reflection and dispersive properties. *Plasma Physics and Controlled Fusion*, **2018**, 60, 125006	2	11
1004	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. *Science*, **2018**, 362, 1391-1395	33.3	139
1003	Incompressive Energy Transfer in the Earth's Magnetosheath: Magnetospheric Multiscale Observations. *Astrophysical Journal*, **2018**, 866, 106	4.7	32
1002	Magnetotail Hall Physics in the Presence of Cold Ions. *Geophysical Research Letters*, **2018**, 45, 10,941	4.9	9
1001	Kinetic Range Spectral Features of Cross Helicity Using the Magnetospheric Multiscale Spacecraft. *Physical Review Letters*, **2018**, 121, 265101	7.4	11
1000	Rippled Electron-Scale Structure of a Dipolarization Front. *Geophysical Research Letters*, **2018**, 45, 12,116-12,124	4.9	7
999	Higher-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	2.6	40
998	Ion Dynamics and the Shock Profile of a Low-Mach Number Shock. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8913-8923	2.6	8

997	Ceres opposition effect observed by the Dawn framing camera. *Astronomy and Astrophysics*, **2018**, 620, A201	5.1	9
996	Large-Amplitude High-Frequency Waves at Earth's Magnetopause. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2630-2657	2.6	17
995	MMS Observations of Electrostatic Waves in an Oblique Shock Crossing. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9430-9442	2.6	40
994	MMS Observations of Beta-dependent Constraints on Ion Temperature Anisotropy in Earth's Magnetosheath. *Astrophysical Journal*, **2018**, 866, 25	4.7	10
993	MMS, Van Allen Probes, GOES 13, and Ground-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	2.6	19
992	Saturn's magnetic field revealed by the Cassini Grand Finale. *Science*, **2018**, 362,	33.3	85
991	Discovery of Atmospheric-Wind-Driven Electric Currents in Saturn's Magnetosphere in the Gap Between Saturn and its Rings. *Geophysical Research Letters*, **2018**, 45, 10,068-10,074	4.9	16
990	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. *Space Science Reviews*, **2018**, 214, 1	7.5	59
989	Perpendicular Current Reduction Caused by Cold Ions of Ionospheric Origin in Magnetic Reconnection at the Magnetopause: Particle-in-Cell Simulations and Spacecraft Observations. *Geophysical Research Letters*, **2018**, 45, 10,033-10,042	4.9	12
988	Observational Evidence of Large-Scale Multiple Reconnection at the Earth's Dayside Magnetopause. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8407-8421	2.6	16
987	Small-Scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8473-8488	2.6	17
986	Solar Wind Turbulence Studies Using MMS Fast Plasma Investigation Data. *Astrophysical Journal*, **2018**, 866, 81	4.7	33
985	Floor-Fractured Craters on Ceres and Implications for Interior Processes. *Journal of Geophysical Research E: Planets*, **2018**, 123, 3188-3204	4.1	11
984	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	4.7	9
983	Simultaneous Multispacecraft Probing of Electron Phase Space Holes. *Geophysical Research Letters*, **2018**, 45, 11,513-11,519	4.9	24
982	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. *Geophysical Research Letters*, **2018**, 45, 11,520	4.9	18
981	Cryovolcanic rates on Ceres revealed by topography. *Nature Astronomy*, **2018**, 2, 946-950	12.1	28
980	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. *Science*, **2018**, 361, 1000-1003	33.3	19

979	A Statistical Study of Slow-Mode Shocks Observed by MMS in the Dayside Magnetopause. *Geophysical Research Letters*, **2018**, 45, 4675-4684	4.9	0
978	In Situ Observation of Magnetic Reconnection Between an Earthward Propagating Flux Rope and the Geomagnetic Field. *Geophysical Research Letters*, **2018**, 45, 8729-8737	4.9	26
977	Autogenous and efficient acceleration of energetic ions upstream of Earth's bow shock. *Nature*, **2018**, 561, 206-210	50.4	32
976	Electron Energization at a Reconnecting Magnetosheath Current Sheet. *Geophysical Research Letters*, **2018**, 45, 8081-8090	4.9	16
975	Local Excitation of Whistler Mode Waves and Associated Langmuir Waves at Dayside Reconnection Regions. *Geophysical Research Letters*, **2018**, 45, 8793-8802	4.9	14
974	The Impact and Solar Wind Proxy of the 2017 September ICME Event at Mars. *Geophysical Research Letters*, **2018**, 45, 7248-7256	4.9	21
973	Electron Bulk Acceleration and Thermalization at Earth's Quasiperpendicular Bow Shock. *Physical Review Letters*, **2018**, 120, 225101	7.4	29
972	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	3.8	136
971	Psyche Science Operations Concept: Maximize Reuse to Minimize Risk **2018**,		2
970	Hodographic approach for determining spacecraft trajectories through magnetic reconnection diffusion regions. *Geophysical Research Letters*, **2017**, 44, 1625-1633	4.9	6
969	The vanishing cryovolcanoes of Ceres. *Geophysical Research Letters*, **2017**, 44, 1243-1250	4.9	44
968	Zipper-like periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1600-1610	2.6	11
967	Localized aliphatic organic material on the surface of Ceres. *Science*, **2017**, 355, 719-722	33.3	122
966	An investigation of the bluish material on Ceres. *Geophysical Research Letters*, **2017**, 44, 1660	4.9	18
965	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. *Astrophysical Journal Letters*, **2017**, 836, L27	7.9	63
964	On the origin of the crescent-shaped distributions observed by MMS at the magnetopause. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 2024-2039	2.6	35
963	Evolution of a typical ion-scale magnetic flux rope caused by thermal pressure enhancement. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 2040-2050	2.6	13
962	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. *Astrophysical Journal*, **2017**, 836, 247	4.7	40

961	Observations of kinetic-size magnetic holes in the magnetosheath. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1990-2000	2.6	54
960	Magnetospheric Multiscale mission observations of the outer electron diffusion region. *Geophysical Research Letters*, **2017**, 44, 2049-2059	4.9	30
959	Possible Ceres bow shock surfaces based on fluid models. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4976-4987	2.6	3
958	Geomorphological evidence for ground ice on dwarf planet Ceres. *Nature Geoscience*, **2017**, 10, 338-343	18.3	75
957	Martian magnetic storms. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6185-6209	2.6	29
956	Quantitative analysis of a Hall system in the exhaust of asymmetric magnetic reconnection. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5277-5289	2.6	12
955	Large-scale characteristics of reconnection diffusion regions and associated magnetopause crossings observed by MMS. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5466-5486	2.6	39
954	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	2.6	20
953	High-resolution Ceres Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. *Planetary and Space Science*, **2017**, 140, 74-79	2	24
952	MMS observations of whistler waves in electron diffusion region. *Geophysical Research Letters*, **2017**, 44, 3954-3962	4.9	68
951	Electron Scattering by High-frequency Whistler Waves at Earth Bow Shock. *Astrophysical Journal Letters*, **2017**, 842, L11	7.9	29
950	Electron diffusion region during magnetopause reconnection with an intermediate guide field: Magnetospheric multiscale observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5235-5246	2.6	41
949	Global observations of magnetospheric high- poloidal waves during the 22 June 2015 magnetic storm. *Geophysical Research Letters*, **2017**, 44, 3456-3464	4.9	33
948	Reconstruction of the electron diffusion region observed by the Magnetospheric Multiscale spacecraft: First results. *Geophysical Research Letters*, **2017**, 44, 4566-4574	4.9	20
947	Parallel electron heating in the magnetospheric inflow region. *Geophysical Research Letters*, **2017**, 44, 4384-4392	4.9	8
946	Structure, force balance, and topology of Earth's magnetopause. *Science*, **2017**, 356, 960-963	33.3	7
945	Quadrupolar pattern of the asymmetric guide-field reconnection. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6349-6356	2.6	30
944	Structure and evolution of flux transfer events near dayside magnetic reconnection dissipation region: MMS observations. *Geophysical Research Letters*, **2017**, 44, 5951-5959	4.9	19

943	Spectral analysis of Ahuna Mons from Dawn mission's visible-infrared spectrometer. *Geophysical Research Letters*, **2017**, 44, 97-104	4.9	46
942	Wave-particle energy exchange directly observed in a kinetic Alfvén-branch wave. *Nature Communications*, **2017**, 8, 14719	17.4	57
941	Possible potentially threatening co-orbiting material of asteroid 2000EE104 identified through interplanetary magnetic field disturbances. *Meteoritics and Planetary Science*, **2017**, 52, 1125-1132	2.8	3
940	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. *Geophysical Research Letters*, **2017**, 44, 2978-2986	4.9	35
939	EDR signatures observed by MMS in the 16 October event presented in a 2-D parametric space. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3262-3276	2.6	2
938	Resolved spectrophotometric properties of the Ceres surface from Dawn Framing Camera images. *Icarus*, **2017**, 288, 201-225	3.8	64
937	The Dependence of the Cerean Exosphere on Solar Energetic Particle Events. *Astrophysical Journal Letters*, **2017**, 838, L8	7.9	35
936	Spectrophotometric properties of dwarf planet Ceres from the VIR spectrometer on board the Dawn mission. *Astronomy and Astrophysics*, **2017**, 598, A130	5.1	56
935	A direct examination of the dynamics of dipolarization fronts using MMS. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4335-4347	2.6	36
934	MMS observation of inverse energy dispersion in shock drift accelerated ions. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3232-3246	2.6	1
933	Ceres's obliquity history and its implications for the permanently shadowed regions. *Geophysical Research Letters*, **2017**, 44, 2652-2661	4.9	27
932	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 517-533	2.6	81
931	Surface water-ice deposits in the northern shadowed regions of Ceres. *Nature Astronomy*, **2017**, 1,	12.1	50
930	Extensive water ice within Ceres' aqueously altered regolith: Evidence from nuclear spectroscopy. *Science*, **2017**, 355, 55-59	33.3	146
929	Lomonosov Satellite Space Observatory to Study Extreme Phenomena in Space. *Space Science Reviews*, **2017**, 212, 1705-1738	7.5	17
928	Evidence for the Interior Evolution of Ceres from Geologic Analysis of Fractures. *Geophysical Research Letters*, **2017**, 44, 9564-9572	4.9	25
927	Magnetospheric Ion Evolution Across the Low-Latitude Boundary Layer Separatrix. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,247-10,262	2.6	14
926	MMS Observations and Hybrid Simulations of Surface Ripples at a Marginally Quasi-Parallel Shock. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,003-11,017	2.6	39

925	Lower Hybrid Drift Waves and Electromagnetic Electron Space-Phase Holes Associated With Dipolarization Fronts and Field-Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,236-12,257	2.6	24
924	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	2.6	8
923	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	4.1	94
922	The Effect of a Guide Field on Local Energy Conversion During Asymmetric Magnetic Reconnection: MMS Observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,342-11,353	2.6	32
921	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, 11,991-12,005	2.6	16
920	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,194-10,202	2.6	16
919	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. *Earth, Planets and Space*, **2017**, 69, 129	2.9	14
918	Magnetospheric Multiscale analysis of intense field-aligned Poynting flux near the Earth's plasma sheet boundary. *Geophysical Research Letters*, **2017**, 44, 7106-7113	4.9	14
917	Energy budget and mechanisms of cold ion heating in asymmetric magnetic reconnection. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9396-9413	2.6	19
916	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,436-10,447	2.6	21
915	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Sub-Alfvēic Flow. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9934-9951	2.6	2
914	The interior structure of Ceres as revealed by surface topography. *Earth and Planetary Science Letters*, **2017**, 476, 153-164	5.3	99
913	Magnetosheath High-Speed Jets: Internal Structure and Interaction With Ambient Plasma. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,157-10,175	2.6	17
912	Coalescence of Macroscopic Flux Ropes at the Subsolar Magnetopause: Magnetospheric Multiscale Observations. *Physical Review Letters*, **2017**, 119, 055101	7.4	56
911	Conditions for Sublimating Water Ice to Supply Ceres' Exosphere. *Journal of Geophysical Research E: Planets*, **2017**, 122, 1984-1995	4.1	34
910	Dayside response of the magnetosphere to a small shock compression: Van Allen Probes, Magnetospheric MultiScale, and GOES-13. *Geophysical Research Letters*, **2017**, 44, 8712-8720	4.9	13
909	High-resolution Statistics of Solar Wind Turbulence at Kinetic Scales Using the Magnetospheric Multiscale Mission. *Astrophysical Journal Letters*, **2017**, 844, L9	7.9	23
908	Instability of Agyrotropic Electron Beams near the Electron Diffusion Region. *Physical Review Letters*, **2017**, 119, 025101	7.4	37

907	Pitted terrains on (1) Ceres and implications for shallow subsurface volatile distribution. *Geophysical Research Letters*, **2017**, 44, 6570-6578	4.9	43
906	Oxo Crater on (1) Ceres: Geological History and the Role of Water-ice. *Astronomical Journal*, **2017**, 154, 84	4.9	14
905	The Putative Cerean Exosphere. *Astrophysical Journal*, **2017**, 850, 85	4.7	16
904	Magnetospheric Multiscale Observation of Plasma Velocity-Space Cascade: Hermite Representation and Theory. *Physical Review Letters*, **2017**, 119, 205101	7.4	54
903	Editorial on: Topical Collection on InSight Mission to Mars. *Space Science Reviews*, **2017**, 211, 1-3	7.5	11
902	Variations of the Martian plasma environment during the ICME passage on 8 March 2015: A time-dependent MHD study. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1714-1730	2.6	30
901	The role of plasma slowdown in the generation of Rhea's Alfvén wings. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1778-1788	2.6	7
900	A statistical study of kinetic-size magnetic holes in turbulent magnetosheath: MMS observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8577-8588	2.6	51
899	. *Computing in Science and Engineering*, **2017**, 19, 6-17	1.5	
898	Space Weather in the Heliosphere. *Proceedings of the International Astronomical Union*, **2017**, 13, 191-196	0.1	2
897	THE FORMATION AND EVOLUTION OF BRIGHT SPOTS ON CERES **2017**,		3
896	THE HAMO-BASED GLOBAL GEOLOGIC MAP OF CERES FROM NASA'S DAWN MISSION **2017**,		2
895	The Magnetospheric Multiscale Magnetometers **2017**, 189-256		6
894	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products **2017**, 105-135		0
893	Optimized merging of search coil and fluxgate data for MMS. *Geoscientific Instrumentation, Methods and Data Systems*, **2016**, 5, 521-530	1.5	18
892	Detection of local H2O exposed at the surface of Ceres. *Science*, **2016**, 353,	33.3	118
891	Dawn arrives at Ceres: Exploration of a small, volatile-rich world. *Science*, **2016**, 353, 1008-1010	33.3	157
890	Distribution of phyllosilicates on the surface of Ceres. *Science*, **2016**, 353,	33.3	144

889	Cryovolcanism on Ceres. *Science*, **2016**, 353,	33.3	135
888	The geomorphology of Ceres. *Science*, **2016**, 353,	33.3	92
887	Cratering on Ceres: Implications for its crust and evolution. *Science*, **2016**, 353,	33.3	121
886	Results of a hubble space telescope search for natural satellites of dwarf planet 1 ceres. *Icarus*, **2016**, 280, 308-314	3.8	2
885	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	4.9	65
884	MMS observations of ion-scale magnetic island in the magnetosheath turbulent plasma. *Geophysical Research Letters*, **2016**, 43, 7850-7858	4.9	41
883	Multispacecraft observations and modeling of the 22/23 June 2015 geomagnetic storm. *Geophysical Research Letters*, **2016**, 43, 7311-7318	4.9	23
882	Inverse energy dispersion of energetic ions observed in the magnetosheath. *Geophysical Research Letters*, **2016**, 43, 7338-7347	4.9	5
881	Observations of turbulence in a Kelvin-Helmholtz event on 8 September 2015 by the Magnetospheric Multiscale mission. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,021-11,034	2.6	59
880	Force balance at the magnetopause determined with MMS: Application to flux transfer events. *Geophysical Research Letters*, **2016**, 43, 11,941-11,947	4.9	25
879	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9608-9618	2.6	19
878	Magnetospheric Multiscale Mission observations and non-force free modeling of a flux transfer event immersed in a super-Alfvenic flow. *Geophysical Research Letters*, **2016**, 43, 6070-6077	4.9	20
877	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvin-Helmholtz waves. *Geophysical Research Letters*, **2016**, 43, 5606-5615	4.9	84
876	Thick escaping magnetospheric ion layer in magnetopause reconnection with MMS observations. *Geophysical Research Letters*, **2016**, 43, 6028-6035	4.9	1
875	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. *Geophysical Research Letters*, **2016**, 43, 7279-7286	4.9	38
874	A comparative study of dipolarization fronts at MMS and Cluster. *Geophysical Research Letters*, **2016**, 43, 6012-6019	4.9	32
873	Electrodynamic context of magnetopause dynamics observed by magnetospheric multiscale. *Geophysical Research Letters*, **2016**, 43, 5988-5996	4.9	8
872	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	4.9	33

871	Cold ion demagnetization near the X-line of magnetic reconnection. *Geophysical Research Letters*, **2016**, 43, 6759-6767	4.9	27
870	Electron currents and heating in the ion diffusion region of asymmetric reconnection. *Geophysical Research Letters*, **2016**, 43, 4691-4700	4.9	43
869	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. *Geophysical Research Letters*, **2016**, 43, 5943-5952	4.9	36
868	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. *Physical Review Letters*, **2016**, 116, 235102	7.4	50
867	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. *Physical Review Letters*, **2016**, 117, 015001	7.4	60
866	MMS Multipoint electric field observations of small-scale magnetic holes. *Geophysical Research Letters*, **2016**, 43, 5953-5959	4.9	36
865	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	4.9	55
864	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	4.9	51
863	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. *Geophysical Research Letters*, **2016**, 43, 5918-5925	4.9	68
862	Rippled Quasiperpendicular Shock Observed by the Magnetospheric Multiscale Spacecraft. *Physical Review Letters*, **2016**, 117, 165101	7.4	59
861	The permeability of the magnetopause to a multispecies substorm injection of energetic particles. *Geophysical Research Letters*, **2016**, 43, 9453-9460	4.9	7
860	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. *Geophysical Research Letters*, **2016**, 43, 9397-9405	4.9	5
859	FC colour images of dwarf planet Ceres reveal a complicated geological history. *Planetary and Space Science*, **2016**, 134, 122-127	2	36
858	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9926-9939	2.6	23
857	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	2.6	7
856	Carrington Class Solar Events and How to Recognize Them. *Proceedings of the International Astronomical Union*, **2016**, 12, 204-210	0.1	0
855	Space Weather Storm Responses at Mars: Lessons from A Weakly Magnetized Terrestrial Planet. *Proceedings of the International Astronomical Union*, **2016**, 12, 211-217	0.1	
854	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	4.9	14

853	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. *Geophysical Research Letters*, **2016**, 43, 6724-6733	4.9	34
852	Lithologic variation within bright material on Vesta revealed by linear spectral unmixing. *Icarus*, **2016**, 272, 16-31	3.8	9
851	The unusual asteroid 2201 Oljato: Origins and possible debris trail. *Planetary and Space Science*, **2016**, 123, 16-24	2	2
850	The AUTUMNX magnetometer meridian chain in QuÞec, Canada. *Earth, Planets and Space*, **2016**, 68,	2.9	12
849	Bright carbonate deposits as evidence of aqueous alteration on (1) Ceres. *Nature*, **2016**, 536, 54-7	50.4	198
848	Composition and structure of the shallow subsurface of Ceres revealed by crater morphology. *Nature Geoscience*, **2016**, 9, 538-542	18.3	100
847	Magnetospheric Multiscale observations of large-amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. *Geophysical Research Letters*, **2016**, 43, 5626-5634	4.9	49
846	Observation of high-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	4.9	24
845	Motion of the MMS spacecraft relative to the magnetic reconnection structure observed on 16 October 2015 at 1307´UT. *Geophysical Research Letters*, **2016**, 43, 5589-5596	4.9	28
844	Comparison of Magnetospheric Multiscale ion jet signatures with predicted reconnection site locations at the magnetopause. *Geophysical Research Letters*, **2016**, 43, 5997-6004	4.9	16
843	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	4.9	21
842	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. *Space Science Reviews*, **2016**, 199, 105-135	7.5	292
841	The Magnetospheric Multiscale Magnetometers. *Space Science Reviews*, **2016**, 199, 189-256	7.5	670
840	Ceres Survey Atlas derived from Dawn Framing Camera images. *Planetary and Space Science*, **2016**, 121, 115-120	2	30
839	Optical space weathering on Vesta: Radiative-transfer models and Dawn observations. *Icarus*, **2016**, 265, 161-174	3.8	9
838	The Magnetospheric Multiscale Magnetometers **2016**, 199, 189		1
837	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined field-aligned currents, auroral oval, and magnetopause observations. *Geophysical Research Letters*, **2016**, 43, 2396-2404	4.9	27
836	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. *Geophysical Research Letters*, **2016**, 43, 3042-3050	4.9	65

835	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. *Geophysical Research Letters*, **2016**, 43, 4716-4724	4.9	80
834	Electron jet of asymmetric reconnection. *Geophysical Research Letters*, **2016**, 43, 5571-5580	4.9	59
833	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. *Geophysical Research Letters*, **2016**, 43, 5969-5978	4.9	72
832	Cassini observations of Saturn's southern polar cusp. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3006-3030	2.6	12
831	Timing of optical maturation of recently exposed material on Ceres. *Geophysical Research Letters*, **2016**, 43, 11,987-11,993	4.9	30
830	Cryogenic flow features on Ceres: Implications for crater-related cryovolcanism. *Geophysical Research Letters*, **2016**, 43, 11,994-12,003	4.9	44
829	The permanently shadowed regions of dwarf planet Ceres. *Geophysical Research Letters*, **2016**, 43, 6783-6789	4.9	45
828	Ion cyclotron waves at Titan. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2095-2103	2.6	2
827	Study of the spacecraft potential under active control and plasma density estimates during the MMS commissioning phase. *Geophysical Research Letters*, **2016**, 43, 4858-4864	4.9	12
826	Weak, Quiet Magnetic Fields Seen in the Venus Atmosphere. *Scientific Reports*, **2016**, 6, 23537	4.9	10
825	The missing large impact craters on Ceres. *Nature Communications*, **2016**, 7, 12257	17.4	73
824	The Coriolis effect on mass wasting during the Rheasilvia impact on asteroid Vesta. *Geophysical Research Letters*, **2016**, 43, 12,340	4.9	6
823	SURFACE ALBEDO AND SPECTRAL VARIABILITY OF CERES. *Astrophysical Journal Letters*, **2016**, 817, L22	7.9	36
822	Electron-scale measurements of magnetic reconnection in space. *Science*, **2016**, 352, aaf2939	33.3	418
821	Observations of large-amplitude, parallel, electrostatic waves associated with the Kelvin-Helmholtz instability by the magnetospheric multiscale mission. *Geophysical Research Letters*, **2016**, 43, 8859-8866	4.9	18
820	Magnetospheric ion influence on magnetic reconnection at the duskside magnetopause. *Geophysical Research Letters*, **2016**, 43, 1435-1442	4.9	36
819	Electron dynamics in a subproton-gyroscale magnetic hole. *Geophysical Research Letters*, **2016**, 43, 4112-4118	4.9	44
818	Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). *Geophysical Research Letters*, **2016**, 43, 5960-5968	4.9	22

817	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. *Geophysical Research Letters*, **2016**, 43, 4841-4849	4.9	23
816	Wave telescope technique for MMS magnetometer. *Geophysical Research Letters*, **2016**, 43, 4774-4780	4.9	10
815	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. *Geophysical Research Letters*, **2016**, 43, 5635-5643	4.9	36
814	Decay of mesoscale flux transfer events during quasi-continuous spatially extended reconnection at the magnetopause. *Geophysical Research Letters*, **2016**, 43, 4755-4762	4.9	23
813	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. *Geophysical Research Letters*, **2016**, 43, 6705-6712	4.9	39
812	Steepening of waves at the duskside magnetopause. *Geophysical Research Letters*, **2016**, 43, 7373-7380	4.9	7
811	High-resolution Ceres High Altitude Mapping Orbit atlas derived from Dawn Framing Camera images. *Planetary and Space Science*, **2016**, 129, 103-107	2	45
810	Global variations in regolith properties on asteroid Vesta from Dawn's low-altitude mapping orbit. *Meteoritics and Planetary Science*, **2016**, 51, 2366-2386	2.8	8
809	Ion Cyclotron Waves in the Solar Wind. *Geophysical Monograph Series*, **2016**, 253-267	1.1	4
808	Characterizing the Enceladus Torus by Its Contribution to Saturn's Magnetosphere. *Geophysical Monograph Series*, **2016**, 345-354	1.1	
807	The substructure of a flux transfer event observed by the MMS spacecraft. *Geophysical Research Letters*, **2016**, 43, 9434-9443	4.9	21
806	A partially differentiated interior for (1) Ceres deduced from its gravity field and shape. *Nature*, **2016**, 537, 515-517	50.4	143
805	MMS observations of electron-scale filamentary currents in the reconnection exhaust and near the X line. *Geophysical Research Letters*, **2016**, 43, 6060-6069	4.9	76
804	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. *Astrophysical Journal Letters*, **2016**, 827, L8	7.9	41
803	Stable reconnection at the dusk flank magnetopause. *Geophysical Research Letters*, **2016**, 43, 9374-9382	4.9	5
802	Interplanetary shocks and foreshocks observed by STEREO during 2007–2010. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 992-1008	2.6	25
801	Characterizing the low-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	2.6	13
800	Momentum transfer from solar wind to interplanetary field enhancements inferred from magnetic field draping signatures. *Geophysical Research Letters*, **2015**, 42, 1640-1645	4.9	12

799	Low-frequency waves within isolated magnetic clouds and complex structures: STEREO observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2363-2381	2.6	10
798	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	2.6	4
797	Spectral analysis of the quadrangles Av-13 and Av-14 on Vesta. *Icarus*, **2015**, 259, 181-193	3.8	9
796	Detection of new olivine-rich locations on Vesta. *Icarus*, **2015**, 258, 120-134	3.8	32
795	Vesta Pinaria region: Original basaltic achondrite material derived from mixing upper and lower crust. *Icarus*, **2015**, 259, 150-161	3.8	4
794	COMETARY SCIENCE. The nonmagnetic nucleus of comet 67P/Churyumov-Gerasimenko. *Science*, **2015**, 349, aaa5102	33.3	47
793	Composition of the northern regions of Vesta analyzed by the Dawn mission. *Icarus*, **2015**, 259, 53-71	3.8	22
792	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. *Science*, **2015**, 350, aad0210	33.3	131
791	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. *Science*, **2015**, 350, aad0459	33.3	77
790	Geomorphological evidence for transient water flow on Vesta. *Earth and Planetary Science Letters*, **2015**, 411, 151-163	5.3	36
789	Mineralogy of Marcia, the youngest large crater of Vesta: Character and distribution of pyroxenes and hydrated material. *Icarus*, **2015**, 248, 392-406	3.8	9
788	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	3.8	6
787	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	3.8	19
786	MHD model results of solar wind interaction with Mars and comparison with MAVEN plasma observations. *Geophysical Research Letters*, **2015**, 42, 9113-9120	4.9	46
785	Giant pulsations on the afternoonside: Geostationary satellite and ground observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 8350-8367	2.6	10
784	Eucritic crust remnants and the effect of in-falling hydrous carbonaceous chondrites characterizing the composition of Vesta Marcia region. *Icarus*, **2015**, 259, 91-115	3.8	7
783	The spectral parameter maps of Vesta from VIR data. *Icarus*, **2015**, 259, 10-20	3.8	13
782	Mineralogical analysis of the Oppia quadrangle of asteroid (4) Vesta: Evidence for occurrence of moderate-reflectance hydrated minerals. *Icarus*, **2015**, 259, 129-149	3.8	14

781	Mineralogic mapping of the Av-9 Numisia quadrangle of Vesta. *Icarus*, **2015**, 259, 116-128	3.8	5
780	A statistical study of the low-altitude ionospheric magnetic fields over the north pole of Venus. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 6218-6229	2.6	5
779	Vesta missing moons: Comprehensive search for natural satellites of Vesta by the Dawn spacecraft. *Icarus*, **2015**, 257, 207-216	3.8	7
778	Sublimation in bright spots on (1) Ceres. *Nature*, **2015**, 528, 237-40	50.4	105
777	Ammoniated phyllosilicates with a likely outer Solar System origin on (1) Ceres. *Nature*, **2015**, 528, 241-4	50.4	226
776	Exogenic olivine on Vesta from Dawn Framing Camera color data. *Icarus*, **2015**, 258, 467-482	3.8	25
775	Compositional variations in the Vestan Rheasilvia basin. *Icarus*, **2015**, 259, 194-202	3.8	7
774	Hot flow anomaly remnant in the far geotail?. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2015**, 124, 39-43	2	7
773	The Dawn Mission to Vesta and Ceres **2015**,		5
772	International Sun Earth Explorers 1 & 2 **2015**, 359-369		
771	Martian ionospheric responses to dynamic pressure enhancements in the solar wind. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1272-1286	2.6	44
770	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	2	25
769	Geologic mapping of ejecta deposits in Oppia Quadrangle, Asteroid (4) Vesta. *Icarus*, **2014**, 244, 104-119	3.8	12
768	Imprint of the Rheasilvia impact on Vesta Geologic mapping of quadrangles Gegania and Lucaria. *Icarus*, **2014**, 244, 60-73	3.8	12
767	The chronostratigraphy of protoplanet Vesta. *Icarus*, **2014**, 244, 158-165	3.8	17
766	Detection of serpentine in exogenic carbonaceous chondrite material on Vesta from Dawn FC data. *Icarus*, **2014**, 239, 222-237	3.8	29
765	A dynamo explanation for Mercury's anomalous magnetic field. *Geophysical Research Letters*, **2014**, 41, 4127-4134	4.9	43
764	Ion cyclotron waves at Mars: Occurrence and wave properties. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5244-5258	2.6	10

763	Reprint of: Resolved photometry of Vesta reveals physical properties of crater regolith. *Planetary and Space Science*, **2014**, 103, 66-81	2	13
762	Travel time classification of extreme solar events: Two families and an outlier. *Geophysical Research Letters*, **2014**, 41, 6590-6594	4.9	10
761	Crater depth-to-diameter distribution and surface properties of (4) vesta. *Planetary and Space Science*, **2014**, 103, 57-65	2	34
760	Morphology and formation ages of mid-sized post-Rheasilvia craters Geology of quadrangle Tuccia, Vesta. *Icarus*, **2014**, 244, 133-157	3.8	27
759	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	3.8	16
758	Geologic map of the northern hemisphere of Vesta based on Dawn Framing Camera (FC) images. *Icarus*, **2014**, 244, 41-59	3.8	26
757	The unique geomorphology and physical properties of the Vestalia Terra plateau. *Icarus*, **2014**, 244, 89-103	3.8	30
756	The geology of the Marcia quadrangle of asteroid Vesta: Assessing the effects of large, young craters. *Icarus*, **2014**, 244, 74-88	3.8	34
755	The contamination of the surface of Vesta by impacts and the delivery of the dark material. *Icarus*, **2014**, 240, 86-102	3.8	28
754	Photometric behavior of spectral parameters in Vesta dark and bright regions as inferred by the Dawn VIR spectrometer. *Icarus*, **2014**, 240, 20-35	3.8	46
753	Vesta north pole quadrangle Av-1 (Albana): Geologic map and the nature of the south polar basin antipodes. *Icarus*, **2014**, 244, 13-22	3.8	11
752	Small crater populations on Vesta. *Planetary and Space Science*, **2014**, 103, 96-103	2	46
751	Geologic mapping of Vesta. *Planetary and Space Science*, **2014**, 103, 2-23	2	46
750	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	3.8	74
749	Constraining the cratering chronology of Vesta. *Planetary and Space Science*, **2014**, 103, 131-142	2	36
748	Lobate and flow-like features on asteroid Vesta. *Planetary and Space Science*, **2014**, 103, 24-35	2	36
747	Mass movement on Vesta at steep scarps and crater rims. *Icarus*, **2014**, 244, 120-132	3.8	42
746	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	2	68

745	The evolution of co-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	2.8	16
744	The plasma depletion layer in Saturn's magnetosheath. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 121-130	2.6	14
743	Small fresh impact craters on asteroid 4 Vesta: A compositional and geological fingerprint. *Journal of Geophysical Research E: Planets*, **2014**, 119, 771-797	4.1	11
742	Compositional evidence of magmatic activity on Vesta. *Geophysical Research Letters*, **2014**, 41, 3038-3044	4.9	12
741	Effects of crustal field rotation on the solar wind plasma interaction with Mars. *Geophysical Research Letters*, **2014**, 41, 6563-6569	4.9	63
740	Vesta surface thermal properties map. *Geophysical Research Letters*, **2014**, 41, 1438-1443	4.9	38
739	Can magnetopause reconnection drive Saturn's magnetosphere?. *Geophysical Research Letters*, **2014**, 41, 1862-1868	4.9	24
738	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	2.6	8
737	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	2.6	4
736	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	4.1	32
735	A temporary earth co-orbital linked to interplanetary field enhancements. *Monthly Notices of the Royal Astronomical Society: Letters*, **2014**, 443, L109-L113	4.3	5
734	Generation of ion cyclotron waves in the corona and solar wind. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1442-1454	2.6	17
733	Olivine-rich exposures at Bellicia and Arruntia craters on (4) Vesta from Dawn FC. *Meteoritics and Planetary Science*, **2014**, 49, 1831-1850	2.8	19
732	ELECTROMAGNETIC WAVES NEAR THE PROTON CYCLOTRON FREQUENCY:STEREOOBSERVATIONS. *Astrophysical Journal*, **2014**, 786, 123	4.7	54
731	MULTI-FLUID MODEL OF A SUN-GRAZING COMET IN THE RAPIDLY IONIZING, MAGNETIZED LOW CORONA. *Astrophysical Journal*, **2014**, 796, 42	4.7	7
730	Composition and mineralogy of dark material units on Vesta. *Icarus*, **2014**, 240, 58-72	3.8	36
729	Thermal measurements of dark and bright surface features on Vesta as derived from Dawn/VIR. *Icarus*, **2014**, 240, 36-57	3.8	49
728	Geomorphology and structural geology of Saturnalia Fossae and adjacent structures in the northern hemisphere of Vesta. *Icarus*, **2014**, 244, 23-40	3.8	20

727	The geological nature of dark material on Vesta and implications for the subsurface structure. *Icarus*, **2014**, 240, 3-19	3.8	24
726	Asymmetric craters on Vesta: Impact on sloping surfaces. *Planetary and Space Science*, **2014**, 103, 36-56	2	25
725	International Sun-Earth Explorers 1 & 2 **2014**, 1-10		
724	Sounding of the plasmasphere by Mid-continent MAgnetoseismic Chain (McMAC) magnetometers. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3077-3086	2.6	35
723	Global photometric properties of Asteroid (4) Vesta observed with Dawn Framing Camera. *Icarus*, **2013**, 226, 1252-1274	3.8	61
722	Resolved photometry of Vesta reveals physical properties of crater regolith. *Planetary and Space Science*, **2013**, 85, 198-213	2	54
721	High-resolution Vesta Low Altitude Mapping Orbit Atlas derived from Dawn Framing Camera images. *Planetary and Space Science*, **2013**, 85, 293-298	2	20
720	. *IEEE Transactions on Magnetics*, **2013**, 49, 5264-5269	2	3
719	Space experiments aboard the Lomonosov MSU satellite. *Cosmic Research*, **2013**, 51, 427-433	0.6	7
718	Comparing Dawn, Hubble Space Telescope, and ground-based interpretations of (4) Vesta. *Icarus*, **2013**, 226, 1103-1114	3.8	31
717	How unprecedented a solar minimum was it?. *Journal of Advanced Research*, **2013**, 4, 253-8	13	6
716	Olivine or impact melt: Nature of the Orange material on Vesta from Dawn. *Icarus*, **2013**, 226, 1568-1594	3.8	44
715	Observations of narrowband ion cyclotron waves on the surface of the Moon in the terrestrial magnetotail. *Planetary and Space Science*, **2013**, 89, 21-28	2	5
714	Venus Express observations of ULF and ELF waves in the Venus ionosphere: Wave properties and sources. *Icarus*, **2013**, 226, 1527-1537	3.8	9
713	Electromagnetic waves observed on a flight over a Venus electrical storm. *Geophysical Research Letters*, **2013**, 40, 216-220	4.9	4
712	Long Term Variations in the Solar Wind of Importance to ULF Phenomena. *Geophysical Monograph Series*, **2013**, 67-74	1.1	3
711	Reconnexion. *Special Publications*, **2013**, 526-540		4
710	Near-Tail Reconnection as the Cause of Cometary Tail Disconnections. *Special Publications*, **2013**, 1417-1423		

709	Simultaneous Observation of Pc 3,4 Pulsations in the Magnetosphere and at Multiple Ground Stations. *Geophysical Monograph Series*, **2013**, 311-323	1.1	7
708	The Structure of the Magnetopause. *Geophysical Monograph Series*, **2013**, 81-98	1.1	22
707	The Magnetic Field Turbulence at Comet Halley Observed by Vega 1 and 2. *Geophysical Monograph Series*, **2013**, 273-276	1.1	
706	Dayside Electrodynamics Observed by Polar with Northward IMF. *Geophysical Monograph Series*, **2013**, 13-23	1.1	
705	A Parametric Study of the Solar Wind Interaction with Comets. *Geophysical Monograph Series*, **2013**, 65-72	1.1	2
704	High-velocity collisions from the lunar cataclysm recorded in asteroidal meteorites. *Nature Geoscience*, **2013**, 6, 303-307	18.3	95
703	Dawn completes its mission at 4 Vesta. *Meteoritics and Planetary Science*, **2013**, 48, 2076-2089	2.8	43
702	Mirror-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	2.6	11
701	A global multispecies single-fluid MHD study of the plasma interaction around Venus. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 321-330	2.6	36
700	Solar wind observations at STEREO: 2007 - 2011 **2013**,		26
699	STEREO interplanetary shocks and foreshocks **2013**,		4
698	Solar wind plasma profiles during interplanetary field enhancements (IFEs): Consistent with charged-dust pickup **2013**,		7
697	Statistical study of foreshock cavitons. *Annales Geophysicae*, **2013**, 31, 2163-2178	2	24
696	Distribution of iron on Vesta. *Meteoritics and Planetary Science*, **2013**, 48, 2237-2251	2.8	31
695	Lithologic mapping of HED terrains on Vesta using Dawn Framing Camera color data. *Meteoritics and Planetary Science*, **2013**, 48, 2199-2210	2.8	23
694	Vestan lithologies mapped by the visual and infrared spectrometer on Dawn. *Meteoritics and Planetary Science*, **2013**, 48, 2185-2198	2.8	69
693	Vesta's mineralogical composition as revealed by the visible and infrared spectrometer on Dawn. *Meteoritics and Planetary Science*, **2013**, 48, 2166-2184	2.8	72
692	Dawn; the Vesta□HED connection; and the geologic context for eucrites, diogenites, and howardites. *Meteoritics and Planetary Science*, **2013**, 48, 2090-2104	2.8	144

691	Chondritic models of 4 Vesta: Implications for geochemical and geophysical properties. *Meteoritics and Planetary Science*, **2013**, 48, 2300-2315	2.8	55
690	Neutron absorption constraints on the composition of 4 Vesta. *Meteoritics and Planetary Science*, **2013**, 48, 2211-2236	2.8	44
689	Olivine in an unexpected location on Vesta's surface. *Nature*, **2013**, 504, 122-5	50.4	78
688	THE VERY UNUSUAL INTERPLANETARY CORONAL MASS EJECTION OF 2012 JULY 23: A BLAST WAVE MEDIATED BY SOLAR ENERGETIC PARTICLES. *Astrophysical Journal*, **2013**, 770, 38	4.7	103
687	Planetary Upstream Waves. *Geophysical Monograph Series*, **2013**, 75-86	1.1	5
686	The Morphology of ULF Waves in the Earth's Foreshock. *Geophysical Monograph Series*, **2013**, 87-98	1.1	30
685	Wave Activity Associated with the Low Beta Collisionless Shock. *Geophysical Monograph Series*, **2013**, 99-106	1.1	3
684	Mass-wasting features and processes in Vesta's south polar basin Rheasilvia. *Journal of Geophysical Research E: Planets*, **2013**, 118, 2279-2294	4.1	24
683	Solar Wind and Interplanetary Magnetic Field: A Tutorial. *Geophysical Monograph Series*, **2013**, 73-89	1.1	21
682	Composition of the Rheasilvia basin, a window into Vesta's interior. *Journal of Geophysical Research E: Planets*, **2013**, 118, 335-346	4.1	76
681	The Pioneer Venus Mission. *Geophysical Monograph Series*, **2013**, 225-236	1.1	5
680	Giant flux ropes observed in the magnetized ionosphere at Venus. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	14
679	Observations of ICMEs and ICME-like Solar Wind Structures from 2007 2010 Using Near-Earth and STEREO Observations. *Solar Physics*, **2012**, 281, 391	2.6	28
678	High resolution Vesta High Altitude Mapping Orbit (HAMO) Atlas derived from Dawn framing camera images. *Planetary and Space Science*, **2012**, 73, 283-286	2	48
677	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		107
676	Elemental mapping by Dawn reveals exogenic H in Vesta's regolith. *Science*, **2012**, 338, 242-6	33.3	181
675	Pitted terrain on Vesta and implications for the presence of volatiles. *Science*, **2012**, 338, 246-9	33.3	82
674	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	2	10

673	Reconnection at the magnetopause of Saturn: Perspective from FTE occurrence and magnetosphere size. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		48
672	Observations of quasi-perpendicular propagating electromagnetic waves near the ionopause current sheet of Venus. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		1
671	Waves upstream and downstream of interplanetary shocks driven by coronal mass ejections. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		48
670	Whistler mode bursts in the Venus ionosphere due to lightning: Statistical properties using Venus Express magnetometer observations. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		10
669	The importance of plasma conditions for magnetic reconnection at Saturn's magnetopause. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	98
668	Large-scale troughs on Vesta: A signature of planetary tectonics. *Geophysical Research Letters*, **2012**, 39,	4.9	52
667	Saturn's high degree magnetic moments: Evidence for a unique planetary dynamo. *Icarus*, **2012**, 221, 388-394	3.8	31
666	Delivery of dark material to Vesta via carbonaceous chondritic impacts. *Icarus*, **2012**, 221, 544-559	3.8	139
665	DETECTION OF WIDESPREAD HYDRATED MATERIALS ON VESTA BY THE VIR IMAGING SPECTROMETER ON BOARD THE DAWN MISSION. *Astrophysical Journal Letters*, **2012**, 758, L36	7.9	103
664	Dawn at Vesta: testing the protoplanetary paradigm. *Science*, **2012**, 336, 684-6	33.3	356
663	A statistical analysis of the association between fast plasma flows and Pi2 pulsations. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		20
662	Vesta's shape and morphology. *Science*, **2012**, 336, 687-90	33.3	183
661	The geologically recent giant impact basins at Vesta's south pole. *Science*, **2012**, 336, 694-7	33.3	161
660	Spectroscopic characterization of mineralogy and its diversity across Vesta. *Science*, **2012**, 336, 697-700	33.3	209
659	The violent collisional history of asteroid 4 Vesta. *Science*, **2012**, 336, 690-4	33.3	178
658	Color and albedo heterogeneity of Vesta from Dawn. *Science*, **2012**, 336, 700-4	33.3	147
657	Magnetic reconnection in the near Venusian magnetotail. *Science*, **2012**, 336, 567-70	33.3	87
656	Uranus Pathfinder: exploring the origins and evolution of Ice Giant planets. *Experimental Astronomy*, **2012**, 33, 753-791	1.3	36

655	The Radial Variation of Interplanetary Shocks in the Inner Heliosphere: Observations by Helios, MESSENGER, and STEREO. *Solar Physics*, **2012**, 278, 421-433	2.6	7
654	Foreword. The Lunar Crater Observation Sensing Satellite (LCROSS). *Space Science Reviews*, **2012**, 167, 1-2	7.5	2
653	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	3.8	8
652	Perpendicular flow deviation in a magnetized counter-streaming plasma. *Icarus*, **2012**, 218, 895-905	3.8	17
651	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	3.8	15
650	On the relationship between magnetic cloud field polarity and geoeffectiveness. *Annales Geophysicae*, **2012**, 30, 1037-1050	2	26
649	NetPICOmag: A low-cost networked magnetometer and its applications. *Earth, Planets and Space*, **2012**, 64, 279-297	2.9	1
648	Distinctive space weathering on Vesta from regolith mixing processes. *Nature*, **2012**, 491, 79-82	50.4	97
647	First resolved observations of the demagnetized electron-diffusion region of an astrophysical magnetic-reconnection site. *Physical Review Letters*, **2012**, 108, 225005	7.4	48
646	Dark material on Vesta from the infall of carbonaceous volatile-rich material. *Nature*, **2012**, 491, 83-6	50.4	134
645	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	12
644	Whistler waves associated with weak interplanetary shocks. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		20
643	Flux transport, dipolarization, and current sheet evolution during a double-onset substorm. *Journal of Geophysical Research*, **2011**, 116,		31
642	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		4
641	Far tail (255 RE) fast response to very weak magnetic activity. *Journal of Geophysical Research*, **2011**, 116,		3
640	Uneven compression levels of Earth's magnetic fields by shocked solar wind. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		6
639	Foreshock cavitons for different interplanetary magnetic field geometries: Simulations and observations. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		51
638	Cassini magnetometer observations over the Enceladus poles. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	9

637	Intense plasma wave emissions associated with Saturn's moon Rhea. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	26
636	Probing Saturn's ion cyclotron waves on high-inclination orbits: Lessons for wave generation. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		15
635	Dual observations of interplanetary shocks associated with stream interaction regions. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		9
634	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		11
633	Periodic motion of Saturn's nightside plasma sheet. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		82
632	Multisatellite observations of a giant pulsation event. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		38
631	Saturn's very axisymmetric magnetic field: No detectable secular variation or tilt. *Earth and Planetary Science Letters*, **2011**, 304, 22-28	5.3	64
630	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,		10
629	THEMIS observations of double-onset substorms and their association with IMF variations. *Annales Geophysicae*, **2011**, 29, 591-611	2	4
628	Interplanetary conditions: lessons from this minimum. *Proceedings of the International Astronomical Union*, **2011**, 7, 168-178	0.1	2
627	Comparative study of ion cyclotron waves at Mars, Venus and Earth. *Planetary and Space Science*, **2011**, 59, 1039-1047	2	26
626	Venus lightning: Comparison with terrestrial lightning. *Planetary and Space Science*, **2011**, 59, 965-973	2	26
625	Ultraviolet spectroscopy of Asteroid (4) Vesta. *Icarus*, **2011**, 216, 640-649	3.8	10
624	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	7.5	41
623	ARTEMIS Science Objectives. *Space Science Reviews*, **2011**, 165, 59-91	7.5	40
622	Comparing Solar Minimum 23/24 with Historical Solar Wind Records at 1 AU. *Solar Physics*, **2011**, 274, 321-344	2.6	110
621	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	2.6	49
620	The Dawn Mission to Vesta and Ceres. *Space Science Reviews*, **2011**, 163, 3-23	7.5	162

619	Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. *Space Science Reviews*, **2011**, 164, 1-83	7.5	39
618	Improved measurement of Asteroid (4) Vesta rotational axis orientation. *Icarus*, **2011**, 211, 528-534	3.8	18
617	Unusually strong magnetic fields in Titan ionosphere: T42 case study. *Advances in Space Research*, **2011**, 48, 314-322	2.4	11
616	Dipolarization fronts in the magnetotail plasma sheet. *Planetary and Space Science*, **2011**, 59, 517-525	2	63
615	Multi-spacecraft study of foreshock cavitons upstream of the quasi-parallel bow shock. *Planetary and Space Science*, **2011**, 59, 705-714	2	32
614	Evidence of a global magma ocean in Io's interior. *Science*, **2011**, 332, 1186-9	33.3	92
613	Multipoint ICME encounters: Pre-STEREO and STEREO observations. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2011**, 73, 1228-1241	2	57
612	A SEARCH FOR SATELLITES AROUND CERES. *Astronomical Journal*, **2011**, 141, 197	4.9	2
611	Magnetic flux transfer in the 5 April 2010 Galaxy 15 substorm: an unprecedented observation. *Annales Geophysicae*, **2011**, 29, 619-622	2	29
610	The Dawn Mission to Vesta and Ceres **2011**, 3-23		16
609	ARTEMIS Science Objectives **2011**, 27-59		4
608	Statistics of counter-streaming solar wind suprathermal electrons at solar minimum: STEREO observations. *Annales Geophysicae*, **2010**, 28, 233-246	2	22
607	Analysis of waves surrounding foreshock cavitons **2010**,		12
606	Mirror Mode Structures in the Solar Wind: STEREO Observations **2010**,		5
605	THEMIS observations of substorms on 26 February 2008 initiated by magnetotail reconnection. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		42
604	Hybrid simulations of the plasma environment around Enceladus. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		8
603	Interaction of Saturn's magnetosphere and its moons: 1. Interaction between corotating plasma and standard obstacles. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		18
602	Venusian bow shock as seen by the ASPERA-4 ion instrument on Venus Express. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		6

601	Cassini observations of narrowband radio emissions in Saturn's magnetosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		18
600	Interaction of Saturn's magnetosphere and its moons: 2. Shape of the Enceladus plume. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		10
599	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,		16
598	Harmonic growth of ion-cyclotron waves in Saturn's magnetosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		10
597	Galileo constraints on the secular variation of the Jovian magnetic field. *Journal of Geophysical Research*, **2010**, 115,		16
596	Upper limits on Titan's magnetic moment and implications for its interior. *Journal of Geophysical Research*, **2010**, 115,		19
595	How unprecedented a solar minimum?. *Reviews of Geophysics*, **2010**, 48,	23.1	110
594	Interplanetary field enhancements travel at the solar wind speed. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	7
593	Time-varying magnetospheric environment near Enceladus as seen by the Cassini magnetometer. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	18
592	Hemispheric asymmetry of the magnetic field wrapping pattern in the Venusian magnetotail. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	51
591	Escape of O+ through the distant tail plasma sheet. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	15
590	Saturn's internal planetary magnetic field. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	80
589	Interaction of Saturn's magnetosphere and its moons: 3. Time variation of the Enceladus plume. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		11
588	Multipoint connectivity analysis of the May 2007 solar energetic particle events. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		7
587	Pressure changes associated with substorm depolarization in the near-Earth plasma sheet. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		14
586	Observations of ion cyclotron waves in the solar wind near 0.3 AU. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		62
585	An explanation for the lack of ion cyclotron wave generation by pickup ions at Titan: 1-D hybrid simulation results. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		15
584	THEMIS observations of two substorms on February 26, 2008. *Science China Technological Sciences*, **2010**, 53, 1328-1337	3.5	4

583	Organization of Energetic Particles by the Solar Wind Structure During the Declining to Minimum Phase of Solar Cycle 23. *Solar Physics*, **2010**, 263, 239-261	2.6	9
582	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	2.6	5
581	Magnetic Fields of the Outer Planets. *Space Science Reviews*, **2010**, 152, 251-269	7.5	45
580	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	2	64
579	Reconnection sites in Jupiter's magnetotail and relation to Jovian auroras. *Planetary and Space Science*, **2010**, 58, 1455-1469	2	24
578	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	2	21
577	Comparison study of magnetic flux ropes in the ionospheres of Venus, Mars and Titan. *Icarus*, **2010**, 206, 174-181	3.8	17
576	Photometric mapping of Asteroid (4) Vesta's southern hemisphere with Hubble Space Telescope. *Icarus*, **2010**, 208, 238-251	3.8	75
575	ION CYCLOTRON WAVES IN THE SOLAR WIND OBSERVED BY STEREO NEAR 1 AU. *Astrophysical Journal*, **2009**, 701, L105-L109	4.7	106
574	Model of Saturn's internal planetary magnetic field based on Cassini observations. *Planetary and Space Science*, **2009**, 57, 1706-1713	2	41
573	Multispacecraft Observations of Magnetic Clouds and Their Solar Origins between 19 and 23 May 2007. *Solar Physics*, **2009**, 254, 325-344	2.6	62
572	Observation of a Complex Solar Wind Reconnection Exhaust from Spacecraft Separated by over 1800 R E. *Solar Physics*, **2009**, 256, 379-392	2.6	30
571	Effects of the Weak Polar Fields of Solar Cycle 23: Investigation Using OMNI for the STEREO Mission Period. *Solar Physics*, **2009**, 256, 345-363	2.6	48
570	Solar Wind Sources in the Late Declining Phase of Cycle 23: Effects of the Weak Solar Polar Field on High Speed Streams. *Solar Physics*, **2009**, 256, 285-305	2.6	57
569	Small Solar Wind Transients and Their Connection to the Large-Scale Coronal Structure. *Solar Physics*, **2009**, 256, 327-344	2.6	59
568	In Situ Observations of Solar Wind Stream Interface Evolution. *Solar Physics*, **2009**, 259, 323-344	2.6	17
567	Multi-Spacecraft Observations: Stream Interactions and Associated Structures. *Solar Physics*, **2009**, 259, 345-360	2.6	27
566	Plasma electrons in Saturn's magnetotail: Structure, distribution and energisation. *Planetary and Space Science*, **2009**, 57, 2032-2047	2	38

565	THEMIS observation of a substorm event on 04:35, 22 February 2008. *Annales Geophysicae*, **2009**, 27, 1831-1841	2	14
564	Comment on "Tail reconnection triggering substorm onset". *Science*, **2009**, 324, 1391	33.3	45
563	An unusual current sheet in an ICME: Possible association with C/2006 P1 (McNaught). *Geophysical Research Letters*, **2009**, 36, n/a-n/a	4.9	5
562	Fine jet structure of electrically charged grains in Enceladus' plume. *Geophysical Research Letters*, **2009**, 36,	4.9	79
561	Rotation period of Jupiter from the observation of its magnetic field. *Geophysical Research Letters*, **2009**, 36,	4.9	13
560	Disappearing induced magnetosphere at Venus: Implications for close-in exoplanets. *Geophysical Research Letters*, **2009**, 36,	4.9	38
559	Plasma environment at Titan's orbit with Titan present and absent. *Geophysical Research Letters*, **2009**, 36,	4.9	22
558	Mirror mode structures in the solar wind at 0.72 AU. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		36
557	Reply to comment by K. Liou and Y.-L. Zhang on Wavelet-based ULF wave diagnosis of substorm expansion phase onset *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		9
556	Collisionless relaxation of ion distributions downstream of laminar quasi-perpendicular shocks. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		46
555	Coronal magnetic field analysis with Faraday rotation observations of Alfven waves. *Geophysical Research Letters*, **2009**, 36,	4.9	5
554	STEREO observations of shock formation in the solar wind. *Geophysical Research Letters*, **2009**, 36, n/a-n/a	4.9	16
553	Substorm onset timing via traveltime magnetoseismology. *Geophysical Research Letters*, **2009**, 36,	4.9	18
552	STEREO observations of upstream and downstream waves at low Mach number shocks. *Geophysical Research Letters*, **2009**, 36, n/a-n/a	4.9	30
551	Mirror-mode storms: STEREO observations of protracted generation of small amplitude waves. *Geophysical Research Letters*, **2009**, 36,	4.9	14
550	Sources of rotational signals in Saturn's magnetosphere. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		70
549	Global hybrid simulations: Foreshock waves and cavitons under radial interplanetary magnetic field geometry. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		76
548	THEMIS observations of consecutive bursts of Pi2 pulsations: The 20 April 2007 event. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		4

547	Wavelet-based ULF wave diagnosis of substorm expansion phase onset. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		34
546	Timing and localization of near-Earth tail and ionospheric signatures during a substorm onset. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		21
545	Determining ion production rates near Saturn's extended neutral cloud from ion cyclotron wave amplitudes. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		15
544	Time-dependent global MHD simulations of Cassini T32 flyby: From magnetosphere to magnetosheath. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		40
543	Asymmetric shear flow effects on magnetic field configuration within oppositely directed solar wind reconnection exhausts. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		14
542	Timing and localization of ionospheric signatures associated with substorm expansion phase onset. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		51
541	A state-of-the-art picture of substorm-associated evolution of the near-Earth magnetotail obtained from superposed epoch analysis. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		96
540	Near-Earth initiation of a terrestrial substorm. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		57
539	STUDY OF THE 2007 APRIL 20 CME-COMET INTERACTION EVENT WITH AN MHD MODEL. *Astrophysical Journal*, **2009**, 696, L56-L60	4.7	16
538	Quasi-parallel whistler mode waves observed by THEMIS during near-earth dipolarizations. *Annales Geophysicae*, **2009**, 27, 2259-2275	2	71
537	Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum. *Annales Geophysicae*, **2009**, 27, 3909-3922	2	11
536	Fundamental Plasma Processes in Saturn's Magnetosphere **2009**, 281-331		57
535	Faraday rotation observations of CMEs. *Geophysical Research Letters*, **2008**, 35,	4.9	17
534	Discovery of very large amplitude whistler-mode waves in Earth's radiation belts. *Geophysical Research Letters*, **2008**, 35,	4.9	221
533	First upstream proton cyclotron wave observations at Venus. *Geophysical Research Letters*, **2008**, 35,	4.9	37
532	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, n/a-n/a		11
531	Use of the Wigner-Ville distribution in interpreting and identifying ULF waves in triaxial magnetic records. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		11
530	Saturn's magnetodisc current sheet. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		86

529	Plasmoids in Saturn's magnetotail. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		78
528	Warping of Saturn's magnetospheric and magnetotail current sheets. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		132
527	An advanced approach to finding magnetometer zero levels in the interplanetary magnetic field. *Measurement Science and Technology*, **2008**, 19, 055104	2	49
526	Turbulent heating and cross-field transport near the magnetopause from THEMIS. *Geophysical Research Letters*, **2008**, 35,	4.9	76
525	Characteristic size and shape of the mirror mode structures in the solar wind at 0.72 AU. *Geophysical Research Letters*, **2008**, 35,	4.9	65
524	Titan's influence on Saturnian substorm occurrence. *Geophysical Research Letters*, **2008**, 35, n/a-n/a	4.9	38
523	Mirror mode waves: Messengers from the coronal heating region. *Geophysical Research Letters*, **2008**, 35,	4.9	40
522	Highly periodic stormtime activations observed by THEMIS prior to substorm onset. *Geophysical Research Letters*, **2008**, 35,	4.9	3
521	Evidence for temporal variability of Enceladus' gas jets: Modeling of Cassini observations. *Geophysical Research Letters*, **2008**, 35,	4.9	74
520	Behavior of current sheets at directional magnetic discontinuities in the solar wind at 0.72 AU. *Geophysical Research Letters*, **2008**, 35,	4.9	25
519	One-dimensional hybrid simulations of planetary ion pickup: Effects of variable plasma and pickup conditions. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		16
518	Large-scale dynamics of Saturn's magnetopause: Observations by Cassini. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		83
517	A multi-instrument view of tail reconnection at Saturn. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		47
516	Venus Express observations of atmospheric oxygen escape during the passage of several coronal mass ejections. *Journal of Geophysical Research*, **2008**, 113,		35
515	Venus Express observations of an atypically distant bow shock during the passage of an interplanetary coronal mass ejection. *Journal of Geophysical Research*, **2008**, 113,		17
514	Whistler mode waves from lightning on Venus: Magnetic control of ionospheric access. *Journal of Geophysical Research*, **2008**, 113,		37
513	Induced magnetosphere and its outer boundary at Venus. *Journal of Geophysical Research*, **2008**, 113,		38
512	Ionospheric localisation and expansion of long-period Pi1 pulsations at substorm onset. *Geophysical Research Letters*, **2008**, 35,	4.9	40

511	The dust halo of Saturn's largest icy moon, Rhea. *Science*, **2008**, 319, 1380-4	33.3	50
510	Tail reconnection triggering substorm onset. *Science*, **2008**, 321, 931-5	33.3	464
509	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	4.7	73
508	Stream Interactions and Interplanetary Coronal Mass Ejections at 0.72 AU. *Solar Physics*, **2008**, 249, 85-102	2.6	37
507	Stream Interactions and Interplanetary Coronal Mass Ejections at 5.3 AU near the Solar Ecliptic Plane. *Solar Physics*, **2008**, 250, 375-402	2.6	34
506	STEREO IMPACT Investigation Goals, Measurements, and Data Products Overview. *Space Science Reviews*, **2008**, 136, 117-184	7.5	226
505	The STEREO/IMPACT Magnetic Field Experiment. *Space Science Reviews*, **2008**, 136, 203-226	7.5	178
504	THEMIS Ground Based Observatory System Design. *Space Science Reviews*, **2008**, 141, 213-233	7.5	19
503	THEMIS Ground-Based Magnetometers. *Space Science Reviews*, **2008**, 141, 389-412	7.5	108
502	First Results from the THEMIS Mission. *Space Science Reviews*, **2008**, 141, 453-476	7.5	143
501	The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. *Space Science Reviews*, **2008**, 141, 357-387	7.5	251
500	The Upgraded CARISMA Magnetometer Array in the THEMIS Era. *Space Science Reviews*, **2008**, 141, 413-451	7.5	213
499	The Time History of Events and Macroscale Interactions during Substorms (THEMIS) Education and Outreach (E/PO) Program. *Space Science Reviews*, **2008**, 141, 557-583	7.5	12
498	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	2	52
497	Initial Venus Express magnetic field observations of the Venus bow shock location at solar minimum. *Planetary and Space Science*, **2008**, 56, 785-789	2	57
496	Initial Venus Express magnetic field observations of the magnetic barrier at solar minimum. *Planetary and Space Science*, **2008**, 56, 790-795	2	55
495	Evolution of solar wind structures from 0.72 to 1AU. *Advances in Space Research*, **2008**, 41, 259-266	2.4	32
494	Electromagnetic waves observed by Venus Express at periapsis: Detection and analysis techniques. *Advances in Space Research*, **2008**, 41, 113-117	2.4	8

493	Magnetic portraits of Tethys and Rhea. *Icarus*, **2008**, 193, 465-474	3.8	51
492	1D hybrid simulations of planetary ion-pickup: Energy partition. *Geophysical Research Letters*, **2007**, 34,	4.9	15
491	Mass of Saturn's magnetodisc: Cassini observations. *Geophysical Research Letters*, **2007**, 34,	4.9	55
490	Mass loading of Saturn's magnetosphere near Enceladus. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		63
489	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		11
488	Measuring the stress state of the Saturnian magnetosphere. *Geophysical Research Letters*, **2007**, 34,	4.9	11
487	Strong rapid dipolarizations in Saturn's magnetotail: In situ evidence of reconnection. *Geophysical Research Letters*, **2007**, 34,	4.9	91
486	Cold ionospheric plasma in Titan's magnetotail. *Geophysical Research Letters*, **2007**, 34,	4.9	23
485	Determination of substorm onset timing and location using the THEMIS ground based observatories. *Geophysical Research Letters*, **2007**, 34,	4.9	17
484	Five spacecraft observations of oppositely directed exhaust jets from a magnetic reconnection X-line extending > 4.26 □106 km in the solar wind at 1 AU. *Geophysical Research Letters*, **2007**, 34,	4.9	43
483	3D global multi-species Hall-MHD simulation of the Cassini T9 flyby. *Geophysical Research Letters*, **2007**, 34,	4.9	49
482	Cassini observations of the variation of Saturn's ring current parameters with system size. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		104
481	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, n/a-n/a		20
480	On the 60-year signal from the core. *Geophysical and Astrophysical Fluid Dynamics*, **2007**, 101, 11-35	1.4	48
479	Growth phase of Jovian substorms. *Geophysical Research Letters*, **2007**, 34, n/a-n/a	4.9	17
478	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	2.9	37
477	The Analyser of Space Plasmas and Energetic Atoms (ASPERA-4) for the Venus Express mission. *Planetary and Space Science*, **2007**, 55, 1772-1792	2	175
476	Lightning on Venus inferred from whistler-mode waves in the ionosphere. *Nature*, **2007**, 450, 661-2	50.4	82

475	Little or no solar wind enters Venus' atmosphere at solar minimum. *Nature*, **2007**, 450, 654-6	50.4	70
474	The loss of ions from Venus through the plasma wake. *Nature*, **2007**, 450, 650-3	50.4	139
473	Dawn Mission to Vesta and Ceres. *Earth, Moon and Planets*, **2007**, 101, 65-91	0.6	104
472	Upstream whistler-mode waves at planetary bow shocks: A brief review. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2007**, 69, 1739-1746	2	19
471	Ion-cyclotron wave generation by planetary ion pickup. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2007**, 69, 1723-1738	2	19
470	Space weather at Venus and its potential consequences for atmosphere evolution. *Journal of Geophysical Research*, **2007**, 112,		47
469	Venus Upper Atmosphere and Plasma Environment: Critical Issues for Future Exploration. *Geophysical Monograph Series*, **2007**, 139-156	1.1	9
468	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	1.1	6
467	Ceres: High-resolution imaging with HST and the determination of physical properties. *Advances in Space Research*, **2006**, 38, 2039-2042	2.4	12
466	Dawn Discovery mission to Vesta and Ceres: Present status. *Advances in Space Research*, **2006**, 38, 2043-2048	2.4	22
465	ULF waves and their influence on bow shock and magnetosheath structures. *Advances in Space Research*, **2006**, 37, 1522-1531	2.4	17
464	Polar survey of magnetic field in near tail: Reconnection rare inside 9 RE. *Geophysical Research Letters*, **2006**, 33,	4.9	17
463	Ion cyclotron waves in Saturn's E ring: Initial Cassini observations. *Geophysical Research Letters*, **2006**, 33,	4.9	60
462	Large-amplitude electrostatic waves associated with magnetic ramp substructure at Earth's bow shock. *Geophysical Research Letters*, **2006**, 33,	4.9	31
461	Orientation, location, and velocity of Saturn's bow shock: Initial results from the Cassini spacecraft. *Journal of Geophysical Research*, **2006**, 111,		46
460	Dependence of flux transfer events on solar wind conditions from 3 years of Cluster observations. *Journal of Geophysical Research*, **2006**, 111,		33
459	Macrostructure of collisionless bow shocks: 2. ULF waves in the foreshock and magnetosheath. *Journal of Geophysical Research*, **2006**, 111,		69
458	Modeling the size and shape of Saturn's magnetopause with variable dynamic pressure. *Journal of Geophysical Research*, **2006**, 111,		126

457	Tamao travel time of sudden impulses and its relationship to ionospheric convection vortices. *Journal of Geophysical Research*, **2006**, 111,		28
456	Ceres, Vesta, and Pallas: Protoplanets, not asteroids. *Eos*, **2006**, 87, 105	1.5	21
455	Proton cyclotron waves at Mars: Exosphere structure and evidence for a fast neutral disk. *Geophysical Research Letters*, **2006**, 33,	4.9	32
454	Magnetospheric current systems during stormtime sawtooth events. *Journal of Geophysical Research*, **2006**, 111,		35
453	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,		77
452	Nature of magnetic fluctuations in Saturn's middle magnetosphere. *Journal of Geophysical Research* , **2006**, 111,		44
451	Mirror mode structures in the Jovian magnetosheath. *Journal of Geophysical Research*, **2006**, 111,		73
450	One-dimensional hybrid simulations of planetary ion pickup: Techniques and verification. *Journal of Geophysical Research*, **2006**, 111,		12
449	Identification of a dynamic atmosphere at Enceladus with the Cassini magnetometer. *Science*, **2006**, 311, 1406-9	33.3	297
448	A regular period for Saturn's magnetic field that may track its internal rotation. *Nature*, **2006**, 441, 62-4	50.4	103
447	Dawn: A mission in development for exploration of main belt asteroids Vesta and Ceres. *Acta Astronautica*, **2006**, 58, 605-616	2.9	151
446	Proton cyclotron waves at Mars and Venus. *Advances in Space Research*, **2006**, 38, 745-751	2.4	30
445	Photometric analysis of 1 Ceres and surface mapping from HST observations. *Icarus*, **2006**, 182, 143-160	3.8	112
444	Magnetic field investigation of the Venus plasma environment: Expected new results from Venus Express. *Planetary and Space Science*, **2006**, 54, 1336-1343	2	208
443	The solar wind interaction with Venus through the eyes of the Pioneer Venus Orbiter. *Planetary and Space Science*, **2006**, 54, 1482-1495	2	75
442	Lightning detection on the Venus Express mission. *Planetary and Space Science*, **2006**, 54, 1344-1351	2	20
441	Properties of Stream Interactions at One AU During 1995 2004. *Solar Physics*, **2006**, 239, 337-392	2.6	192
440	Properties of Interplanetary Coronal Mass Ejections at One AU During 1995 2004. *Solar Physics*, **2006**, 239, 393-436	2.6	244

439	Alfvenic Electron Acceleration in Aurora Occurs in Global Alfven Resonosphere Region. *Space Science Reviews*, **2006**, 122, 89-95	7.5	18
438	On the relationships between double-onset substorm, pseudobreakup, and IMF variation: The 4 September 1999 event. *Journal of Geophysical Research*, **2005**, 110,		9
437	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,	4.9	42
436	On the source of Pc1-2 waves in the plasma mantle. *Journal of Geophysical Research*, **2005**, 110,		15
435	Structure of the magnetic pileup boundary at Mars and Venus. *Journal of Geophysical Research*, **2005**, 110,		50
434	Electron signatures of active merging sites on the magnetopause. *Journal of Geophysical Research*, **2005**, 110,		2
433	On the possibility of fast neutral production of the inner Io torus. *Journal of Geophysical Research*, **2005**, 110,		2
432	Dual-satellite observations of the motions of flux transfer events: Statistical analysis with ISEE 1 and ISEE 2. *Journal of Geophysical Research*, **2005**, 110,		11
431	Some properties of Alfven waves: Observations in the tail lobes and the plasma sheet boundary layer. *Journal of Geophysical Research*, **2005**, 110,		47
430	Heliospheric energetic particle observations during the October–November 2003 events. *Journal of Geophysical Research*, **2005**, 110,		38
429	Polar study of ionospheric ion outflow versus energy input. *Journal of Geophysical Research*, **2005**, 110,		43
428	Variability in Saturn's bow shock and magnetopause from Pioneer and Voyager: Probabilistic predictions and initial observations by Cassini. *Geophysical Research Letters*, **2005**, 32,	4.9	17
427	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	4.9	41
426	Warm flux tubes in the E-ring plasma torus: Initial Cassini magnetometer observations. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	31
425	Ion cyclotron waves in the Saturnian magnetosphere associated with Cassini's engine exhaust. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	4
424	Travel-time magnetoseismology: Magnetospheric sounding by timing the tremors in space. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	24
423	Pi2 pulsations observed from the Polar satellite outside the plasmapause. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	20
422	Pc 1 waves and associated unstable distributions of magnetospheric protons observed during a solar wind pressure pulse. *Journal of Geophysical Research*, **2005**, 110,		54

421	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,		45
420	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
419	Macrostructure of collisionless bow shocks: 1. Scale lengths. *Journal of Geophysical Research*, **2005**, 110,		63
418	Storm-substorm coupling during 16 Hours of Dst steadily at 150 nT. *Geophysical Monograph Series*, **2005**, 155-161	1.1	4
417	Dawn Discovery Mission: Symbiosis with 1 AU Observations. *Highlights of Astronomy*, **2005**, 13, 730-736		1
416	IMPACT: Science goals and firsts with STEREO. *Advances in Space Research*, **2005**, 36, 1534-1543	2.4	21
415	Differentiation of the asteroid Ceres as revealed by its shape. *Nature*, **2005**, 437, 224-6	50.4	239
414	A new parameter to define interplanetary coronal mass ejections. *Advances in Space Research*, **2005**, 35, 2178-2184	2.4	31
413	ON DEFINING INTERPLANETARY CORONAL MASS EJECTIONs FROM FLUID PARAMETERS. *Solar Physics*, **2005**, 229, 323-344	2.6	24
412	Cassini magnetometer observations during Saturn orbit insertion. *Science*, **2005**, 307, 1266-70	33.3	196
411	Titan's magnetic field signature during the first Cassini encounter. *Science*, **2005**, 308, 992-5	33.3	130
410	Morphology of the ring current derived from magnetic field observations. *Annales Geophysicae*, **2004**, 22, 1267-1295	2	113
409	The Cassini Magnetic Field Investigation. *Space Science Reviews*, **2004**, 114, 331-383	7.5	391
408	Dawn: A journey in space and time. *Planetary and Space Science*, **2004**, 52, 465-489	2	90
407	Io as the trigger of energetic electron disturbances in the inner Jovian magnetosphere. *Advances in Space Research*, **2004**, 34, 2242-2246	2.4	4
406	Ion injections and magnetic field oscillations near the high-latitude magnetopause associated with solar wind dynamic pressure enhancement. *Journal of Geophysical Research*, **2004**, 109,		12
405	The Cassini Magnetic Field Investigation **2004**, 331-383		18
404	A sigma-delta fluxgate magnetometer for space applications. *Measurement Science and Technology*, **2003**, 14, 1003-1012	2	36

403	Possible Distortion of the Interplanetary Magnetic Field by the Dust Trail of Comet 122P/de Vico. *Astrophysical Journal*, **2003**, 597, L61-L64	4.7	11
402	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	1.1	7
401	Polar, Cluster and SuperDARN evidence for high-latitude merging during southward IMF: temporal/spatial evolution. *Annales Geophysicae*, **2003**, 21, 2233-2258	2	13
400	ICME Identification from Solar Wind Ion Measurements. *Solar Physics*, **2003**, 216, 285-294	2.6	14
399	Ion cyclotron waves at Io: implications for the temporal variation of Io's atmosphere. *Planetary and Space Science*, **2003**, 51, 937-944	2	21
398	Ion cyclotron waves in Io's wake region. *Planetary and Space Science*, **2003**, 51, 233-238	2	11
397	Polar observations of transverse magnetic pulsations initiated at substorm onset in the high-latitude plasma sheet. *Journal of Geophysical Research*, **2003**, 108,		4
396	Plasma depletion layer: Event studies with a global model. *Journal of Geophysical Research*, **2003**, 108, SMP 8-1		18
395	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,		16
394	Characterizing the long-period ULF response to magnetic storms. *Journal of Geophysical Research*, **2003**, 108,		45
393	Hybrid simulations of solar wind interaction with magnetized asteroids: Comparison with Galileo observations near Gaspra and Ida. *Journal of Geophysical Research*, **2003**, 108,		34
392	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,		8
391	Possible dipole tilt dependence of dayside magnetopause reconnection. *Geophysical Research Letters*, **2003**, 30,	4.9	33
390	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,		4
389	Gamma-ray and neutron spectrometer for the Dawn mission to 1 Ceres and 4 Vesta. *IEEE Transactions on Nuclear Science*, **2003**, 50, 1190-1197	1.7	30
388	On consecutive bursts of low-latitude Pi2 pulsations. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2002**, 64, 1809-1821	2	9
387	The true dimensions of interplanetary coronal mass ejections. *Advances in Space Research*, **2002**, 29, 301-306	1.4	25
386	Long-wavelength mirror modes in multispecies plasmas with arbitrary distributions. *Journal of Geophysical Research*, **2002**, 107, SSH 1-1-SSH 1-6		13

385	Progress in planetary lightning. *Reports on Progress in Physics*, **2002**, 65, 955-997	14.4	52
384	Relationship between multiple substorm onsets and the IMF: A case study. *Journal of Geophysical Research*, **2002**, 107, SMP 11-1		11
383	Probabilistic models of the Jovian magnetopause and bow shock locations. *Journal of Geophysical Research*, **2002**, 107, SMP 17-1		169
382	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		18
381	Modeling the ring current magnetic field during storms. *Journal of Geophysical Research*, **2002**, 107, SMP 3-1		29
380	Evidence for kinetic Alfvén waves and parallel electron energization at 4–6 RE altitudes in the plasma sheet boundary layer. *Journal of Geophysical Research*, **2002**, 107, SMP 24-1-SMP 24-15		229
379	Plasma sheet electromagnetic power generation and its dissipation along auroral field lines. *Journal of Geophysical Research*, **2002**, 107, SMP 14-1-SMP 14-20		72
378	Correlation of Alfvén wave Poynting flux in the plasma sheet at 4–7 RE with ionospheric electron energy flux. *Journal of Geophysical Research*, **2002**, 107, SMP 24-1		94
377	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		7
376	Hybrid simulations of solar wind interaction with magnetized asteroids: General characteristics. *Journal of Geophysical Research*, **2002**, 107, SSH 12-1-SSH 12-10		56
375	Effect of the orientation of interplanetary shock on the geomagnetic sudden commencement. *Journal of Geophysical Research*, **2002**, 107, SMP 6-1-SMP 6-10		50
374	Flux transfer events in global numerical simulations of the magnetosphere. *Journal of Geophysical Research*, **2002**, 107, SMP 1-1		38
373	Comparison of three magnetopause prediction models under extreme solar wind conditions. *Journal of Geophysical Research*, **2002**, 107, SMP 3-1		19
372	Fingerprints of collisionless reconnection at the separator, I, Ambipolar-Hall signatures. *Journal of Geophysical Research*, **2002**, 107, SMP 13-1		65
371	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		80
370	Galileo observations of ion cyclotron waves in the Io torus. *Advances in Space Research*, **2001**, 28, 1469-1474		14
369	A mechanism for the production of a disk-shaped neutral source cloud at Io. *Advances in Space Research*, **2001**, 28, 1475-1479	2.4	9
368	Depleted magnetic flux tubes as probes of the Io torus plasma. *Advances in Space Research*, **2001**, 28, 1489-1493	2.4	9

367	Ultra-low-frequency waves in the Jovian magnetosphere: causes and consequences. *Planetary and Space Science*, **2001**, 49, 291-301	2	10
366	The dynamics of planetary magnetospheres. *Planetary and Space Science*, **2001**, 49, 1005-1030	2	43
365	Mirror modes: Non-Maxwellian distributions. *Physics of Plasmas*, **2001**, 8, 2934-2945	2.1	15
364	In defense of the term ICME. *Eos*, **2001**, 82, 434-434	1.5	7
363	Inversion studies of magnetic cloud structure at 0.7 AU: Solar cycle variation. *Geophysical Research Letters*, **2001**, 28, 891-894	4.9	9
362	Factors controlling the diamagnetic pressure in the polar cusp. *Geophysical Research Letters*, **2001**, 28, 915-918	4.9	6
361	The Io mass-loading disk: Constraints provided by ion cyclotron wave observations. *Journal of Geophysical Research*, **2001**, 106, 26233-26242		26
360	The Io mass‐loading disk: Model calculations. *Journal of Geophysical Research*, **2001**, 106, 26243-26260		28
359	The Io mass-loading disk: Wave dispersion analysis. *Journal of Geophysical Research*, **2001**, 106, 26261-26275		22
358	Magnetometer measurements from the Cassini Earth swing-by. *Journal of Geophysical Research*, **2001**, 106, 30109-30128		16
357	Nonlinear response of the polar ionosphere to large values of the interplanetary electric field. *Journal of Geophysical Research*, **2001**, 106, 18495-18504		74
356	MeV magnetosheath ions energized at the bow shock. *Journal of Geophysical Research*, **2001**, 106, 19101-19115		13
355	Pc1 pearls revisited: Structured electromagnetic ion cyclotron waves on Polar satellite and on ground. *Journal of Geophysical Research*, **2001**, 106, 29543-29553		51
354	Two distinct substorm onsets. *Journal of Geophysical Research*, **2001**, 106, 13105-13118		46
353	Electromagnetic ion cyclotron waves in the high-altitude cusp: Polar observations. *Journal of Geophysical Research*, **2001**, 106, 19067-19079		44
352	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		115
351	Evidence for sulfur dioxide, sulfur monoxide, and hydrogen sulfide in the Io exosphere. *Journal of Geophysical Research*, **2001**, 106, 33267-33272		23
350	The rotation period of Jupiter. *Geophysical Research Letters*, **2001**, 28, 1911-1912	4.9	21

349	Multiple spacecraft flux rope modeling of the Bastille Day magnetic cloud. *Geophysical Research Letters*, **2001**, 28, 4417-4420	4.9	26
348	In-flight calibration of the NEAR magnetometer. *IEEE Transactions on Geoscience and Remote Sensing*, **2001**, 39, 907-917	8.1	16
347	Reconnection at the high-latitude magnetopause during northward interplanetary magnetic field conditions. *Journal of Geophysical Research*, **2001**, 106, 25467-25488		126
346	Substorms at Jupiter: Galileo observations of transient reconnection in the near tail. *Advances in Space Research*, **2000**, 26, 1499-1504	2.4	38
345	Ion-cyclotron waves at Io. *Advances in Space Research*, **2000**, 26, 1505-1511	2.4	18
344	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	2.4	16
343	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	2.4	11
342	The solar wind interaction with the Earth's magnetosphere: a tutorial. *IEEE Transactions on Plasma Science*, **2000**, 28, 1818-1830	1.3	37
341	Detection of SO in Io's exosphere. *Science*, **2000**, 287, 1998-9	33.3	44
340	Galileo magnetometer measurements: a stronger case for a subsurface ocean at Europa. *Science*, **2000**, 289, 1340-3	33.3	449
339	The Effect of the January 10, 1997, Pressure Pulse on the Magnetosphere-Ionosphere Current System. *Geophysical Monograph Series*, **2000**, 217-226	1.1	56
338	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	4.9	12
337	Lessons from the ring current injection during the September 24, 25, 1998 storm. *Geophysical Research Letters*, **2000**, 27, 1371-1374	4.9	30
336	Plasmaspheric depletion and refilling associated with the September 25, 1998 magnetic storm observed by ground magnetometers at L = 2. *Geophysical Research Letters*, **2000**, 27, 633-636	4.9	55
335	Observations of centrifugal acceleration during compression of magnetosphere. *Geophysical Research Letters*, **2000**, 27, 915-918	4.9	24
334	The magnetosphere on May 11, 1999, the day the solar wind almost disappeared: I. Current systems. *Geophysical Research Letters*, **2000**, 27, 1827-1830	4.9	18
333	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		218
332	Large Alfvẽn wave power in the plasma sheet boundary layer during the expansion phase of substorms. *Geophysical Research Letters*, **2000**, 27, 3169-3172	4.9	63

331	Response of the equatorial and polar magnetosphere to the very tenuous solar wind on May 11, 1999. *Geophysical Research Letters*, **2000**, 27, 3773-3776	4.9	17
330	Implications of depleted flux tubes in the Jovian magnetosphere. *Geophysical Research Letters*, **2000**, 27, 3133-3136	4.9	24
329	How northward turnings of the IMF can lead to substorm expansion onsets. *Geophysical Research Letters*, **2000**, 27, 3257-3259	4.9	53
328	Observations at the inner edge of the Jovian current sheet: evidence for a dynamic magnetosphere. *Planetary and Space Science*, **1999**, 47, 521-527	2	15
327	Time series data analyses in space physics. *Space Science Reviews*, **1999**, 87, 387-463	7.5	66
326	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	4.9	153
325	The magnetic and plasma structure of flux transfer events. *Journal of Geophysical Research*, **1999**, 104, 233-245		13
324	Magnetospheric electric fields from ion data. *Geophysical Research Letters*, **1999**, 26, 1561-1564	4.9	3
323	Sudden compression of the outer magnetosphere associated with an ionospheric mass ejection. *Geophysical Research Letters*, **1999**, 26, 2343-2346	4.9	32
322	Ionospheric mass ejection in response to a CME. *Geophysical Research Letters*, **1999**, 26, 2339-2342	4.9	124
321	Generalized Walén tests through Alfvén waves and rotational discontinuities using electron flow velocities. *Journal of Geophysical Research*, **1999**, 104, 19817-19833		34
320	Mirror-mode structures at the Galileo-Io flyby: Instability criterion and dispersion analysis. *Journal of Geophysical Research*, **1999**, 104, 17479-17489		42
319	Intercomparison of NEAR and Wind interplanetary coronal mass ejection observations. *Journal of Geophysical Research*, **1999**, 104, 28217-28223		34
318	Induced magnetic fields as evidence for subsurface oceans in Europa and Callisto. *Nature*, **1998**, 395, 777-80	50.4	450
317	Magnetic fluctuations close to Io: ion cyclotron and mirror mode wave properties. *Planetary and Space Science*, **1998**, 47, 143-150	2	26
316	Observation of isolated structures of the low latitude boundary layer with the INTERBALL/tail probe. *Geophysical Research Letters*, **1998**, 25, 4305-4308	4.9	10
315	An interpretation of the cross-phase spectrum of geomagnetic pulsations by the field line resonance theory. *Geophysical Research Letters*, **1998**, 25, 4445-4448	4.9	11
314	High-speed ion flow, substorm current wedge, and multiple Pi 2 pulsations. *Journal of Geophysical Research*, **1998**, 103, 4491-4507		226

313	Cusp energetic particle events: Implications for a major acceleration region of the magnetosphere. *Journal of Geophysical Research*, **1998**, 103, 69-78		118
312	Ion cyclotron waves in the Io torus: Wave dispersion, free energy analysis, and SO2 + source rate estimates. *Journal of Geophysical Research*, **1998**, 103, 19887-19899		57
311	Ground detection of trans-ionospheric pulse pairs by stations in the National Lightning Detection Network. *Geophysical Research Letters*, **1998**, 25, 481-484	4.9	10
310	Observations of large amplitude parallel electric field wave packets at the plasma sheet boundary. *Geophysical Research Letters*, **1998**, 25, 857-860	4.9	27
309	Solar cycle evolution of the structure of magnetic clouds in the inner heliosphere. *Geophysical Research Letters*, **1998**, 25, 2959-2962	4.9	149
308	The cusp/magnetosheath interface on May 29, 1996: Interball-1 and Polar observations. *Geophysical Research Letters*, **1998**, 25, 2963-2966	4.9	30
307	Reply [to "Comment on "Interaction of Io with its torus: Does Io have an internal magnetic field?" by Krishan K. Khurana, Margaret G. Kivelson and Christopher T. Russell"] *Geophysical Research Letters*, **1998**, 25, 2351-2352	4.9	3
306	Trans-ionospheric pulse pairs (TIPPs): Their occurrence rates and diurnal variation. *Geophysical Research Letters*, **1998**, 25, 3709-3712	4.9	3
305	POLAR magnetic field observations at apogee during the January 1997 magnetic cloud event. *Geophysical Research Letters*, **1998**, 25, 2541-2544	4.9	5
304	Field-line resonances triggered by a northward IMF turning. *Geophysical Research Letters*, **1998**, 25, 2991-2994	4.9	8
303	Identification of the cloud pulse responsible for a trans-ionospheric pulse pair. *Geophysical Research Letters*, **1998**, 25, 2645-2648	4.9	4
302	Nature, properties, and origin of low-frequency waves from an oblique shock to the inner magnetosheath. *Journal of Geophysical Research*, **1998**, 103, 26783-26798		37
301	Magnetopause location under extreme solar wind conditions. *Journal of Geophysical Research*, **1998**, 103, 17691-17700		717
300	Phase skipping and Poynting flux of continuous pulsations. *Journal of Geophysical Research*, **1998**, 103, 29479-29491		15
299	Location and shape of the Jovian magnetopause and bow shock. *Journal of Geophysical Research*, **1998**, 103, 20075-20082		73
298	Localized reconnection in the near jovian magnetotail. *Science*, **1998**, 280, 1061-4	33.3	95
297	A new functional form to study the solar wind control of the magnetopause size and shape. *Journal of Geophysical Research*, **1997**, 102, 9497-9511		517
296	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		58

295	Magnetopause structure and the role of reconnection at the outer planets. *Journal of Geophysical Research*, **1997**, 102, 24289-24302		62
294	Io's interaction with the Jovian magnetosphere. *Eos*, **1997**, 78, 93	1.5	10
293	Solar wind-magnetosphere coupling during an isolated substorm event: A multispacecraft ISTP study. *Geophysical Research Letters*, **1997**, 24, 983-986	4.9	13
292	Ion cyclotron waves observed at Galileo's Io encounter: Implications for neutral cloud distribution and plasma composition. *Geophysical Research Letters*, **1997**, 24, 2139-2142	4.9	47
291	Ion cyclotron waves in the Io torus during the Galileo encounter: Warm plasma dispersion analysis. *Geophysical Research Letters*, **1997**, 24, 2143-2146	4.9	63
290	Solar wind polytropic index in the vicinity of stream interactions. *Geophysical Research Letters*, **1997**, 24, 1431-1434	4.9	39
289	Initial POLAR MFE observation of substorm signatures in the polar magnetosphere. *Geophysical Research Letters*, **1997**, 24, 1459-1462	4.9	3
288	Comparison of observed and model magnetic fields at high altitudes above the polar cap: POLAR initial results. *Geophysical Research Letters*, **1997**, 24, 1451-1454	4.9	19
287	The effect of foreshock on the motion of the dayside magnetopause. *Geophysical Research Letters*, **1997**, 24, 1439-1441	4.9	23
286	The determination of shock ramp width using the noncoplanar magnetic field component. *Geophysical Research Letters*, **1997**, 24, 1975-1978	4.9	9
285	Interaction of Io with its torus: Does Io have an internal magnetic field?. *Geophysical Research Letters*, **1997**, 24, 2391-2394	4.9	27
284	A first comparison of POLAR magnetic field measurements and magnetohydrodynamic simulation results for field-aligned currents. *Geophysical Research Letters*, **1997**, 24, 2491-2494	4.9	27
283	Trans-ionospheric pulse pairs (TIPPs): Their geographic distributions and seasonal variations. *Geophysical Research Letters*, **1997**, 24, 3165-3168	4.9	12
282	Europa's magnetic signature: report from Galileo's pass on 19 December 1996. *Science*, **1997**, 276, 1239-41	33.3	75
281	Field aligned currents in the high latitude, high altitude magnetosphere: POLAR initial results. *Geophysical Research Letters*, **1997**, 24, 1455-1458	4.9	11
280	Absence of an internal magnetic field at Callisto. *Nature*, **1997**, 387, 262-264	50.4	42
279	HYDRODYNAMIC AND MHD EQUATIONS ACROSS THE BOW SHOCK AND ALONG THE SURFACES OF PLANETARY OBSTACLES. *Space Science Reviews*, **1997**, 79, 757-791	7.5	94
278	Large scale structures in the magnetosheath: Exogenous or endogenous in origin?. *Geophysical Research Letters*, **1996**, 23, 105-108	4.9	17

277	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	4.9	16
276	A statistical study of transient events in the outer dayside magnetosphere. *Journal of Geophysical Research*, **1996**, 101, 4939-4952		31
275	Multipoint analysis of a bursty bulk flow event on April 11, 1985. *Journal of Geophysical Research*, **1996**, 101, 4967-4989		170
274	The relationship between ELF-VHF waves and magnetic shear at the dayside magnetopause. *Geophysical Research Letters*, **1996**, 23, 773-776	4.9	16
273	Observations of a very thin collisionless shock. *Geophysical Research Letters*, **1996**, 23, 781-784	4.9	46
272	Plasma waves and field-aligned currents in the Venus plasma mantle. *Journal of Geophysical Research*, **1996**, 101, 17313-17324		23
271	ISEE observations of low-latitude boundary layer for northward interplanetary magnetic field: Implications for cusp reconnection. *Journal of Geophysical Research*, **1996**, 101, 27239-27249		72
270	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		43
269	Detection of localized, plasma-depleted flux tubes or bubbles in the midtail plasma sheet. *Journal of Geophysical Research*, **1996**, 101, 10817-10826		251
268	Near-Earth magnetotail shape and size as determined from the magnetopause flaring angle. *Journal of Geophysical Research*, **1996**, 101, 137-152		204
267	Io's Interaction with the Plasma Torus: Galileo Magnetometer Report. *Science*, **1996**, 274, 396-398	33.3	154
266	Large Scale Dynamics of the Magnetospheric Tail Induced by Substorms: A Multisatellite Study. *Journal of Geomagnetism and Geoelectricity*, **1996**, 48, 675-686		6
265	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	31
264	The occurrence rate of flux transfer events. *Advances in Space Research*, **1996**, 18, 197-205	2.4	28
263	Discovery of Ganymede's magnetic field by the Galileo spacecraft. *Nature*, **1996**, 384, 537-541	50.4	310
262	Density and magnetic field fluctuations observed by ISEE 1-2 in the quiet magnetosheath. *Annales Geophysicae*, **1995**, 13, 343-357	2	28
261	The GGS/POLAR magnetic fields investigation. *Space Science Reviews*, **1995**, 71, 563-582	7.5	202
260	Ultra low frequency waves at the Earth's bow shock. *Advances in Space Research*, **1995**, 15, 285-296	2.4	22

259	Comparison of properties of upstream whistlers at different planets. *Advances in Space Research*, **1995**, 16, 137-141	2.4	16
258	A study of flux transfer events at different planets. *Advances in Space Research*, **1995**, 16, 159-163	2.4	5
257	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		32
256	The 22-year variation of geomagnetic activity: Implications for the polar magnetic field of the Sun. *Geophysical Research Letters*, **1995**, 22, 3287-3288	4.9	20
255	Damping and spectral formation of upstream whistlers. *Journal of Geophysical Research*, **1995**, 100, 17117		33
254	Sudden impulses at subauroral latitudes: Response for northward interplanetary magnetic field. *Journal of Geophysical Research*, **1995**, 100, 23695		41
253	Structure of the Venus Tail. *Geophysical Monograph Series*, **1994**, 207-220	1.1	2
252	Magnetospheric and Solar Wind Studies with Co-orbiting Spacecraft. *Geophysical Monograph Series*, **1994**, 85-100	1.1	2
251	Statistical characteristics of bursty bulk flow events. *Journal of Geophysical Research*, **1994**, 99, 21257		547
250	On the sources of interplanetary shocks at 0.72 AU. *Journal of Geophysical Research*, **1994**, 99, 11		73
249	Identification of low-frequency fluctuations in the terrestrial magnetosheath. *Journal of Geophysical Research*, **1994**, 99, 6011		85
248	Modelling the low-latitude boundary layer with reconnection entry. *Geophysical Research Letters*, **1994**, 21, 625-628	4.9	17
247	The flaring of the Martian magnetotail observed by the Phobos 2 spacecraft. *Geophysical Research Letters*, **1994**, 21, 1121-1124	4.9	13
246	The thickness and structure of high beta magnetopause current layer. *Geophysical Research Letters*, **1994**, 21, 2451-2454	4.9	35
245	Geomagnetic activity and the beta dependence of the dayside reconnection rate. *Journal of Geophysical Research*, **1994**, 99, 14811		48
244	Determining the standoff distance of the bow shock: Mach number dependence and use of models. *Journal of Geophysical Research*, **1994**, 99, 17681		201
243	Observation of anomalous slow-mode shock and reconnection layer in the dayside magnetopause. *Journal of Geophysical Research*, **1994**, 99, 23705		28
242	A multisatellite study of a pseudo-substorm onset in the near-Earth magnetotail. *Journal of Geophysical Research*, **1993**, 98, 19355-19367		69

241	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	4.9	4
240	Effect of sudden solar wind dynamic pressure changes at subauroral latitudes: Change in magnetic field. *Journal of Geophysical Research*, **1993**, 98, 3983-3990		22
239	SPA dinner, Dubious Distinction awards. *Eos*, **1993**, 74, 99-100	1.5	11
238	External and internal influences on the size of the dayside terrestrial magnetosphere. *Geophysical Research Letters*, **1993**, 20, 339-342	4.9	57
237	On the spatial range of validity of the gas dynamic model in the magnetosheath of Venus. *Geophysical Research Letters*, **1993**, 20, 751-754	4.9	8
236	Flux transfer events: Spontaneous or driven?. *Geophysical Research Letters*, **1993**, 20, 791-794	4.9	50
235	Sudden impulses at low latitudes: Transient response. *Geophysical Research Letters*, **1993**, 20, 1015-1018	4.9	17
234	VLF imaging of the Venus foreshock. *Geophysical Research Letters*, **1993**, 20, 2801-2804	4.9	16
233	Comment on Missing pressure in the dayside ionosphere of Venus *Geophysical Research Letters*, **1993**, 20, 2151-2152	4.9	1
232	Coherence lengths of upstream ULF waves: Dual ISEE observations. *Geophysical Research Letters*, **1993**, 20, 1755-1758	4.9	10
231	The nightside ionosphere of Venus under varying levels of solar Euv flux. *Geophysical Research Letters*, **1993**, 20, 2727-2730	4.9	3
230	The magnetic state of the lower ionosphere during Pioneer Venus entry phase. *Geophysical Research Letters*, **1993**, 20, 2723-2726	4.9	4
229	Plasma waves observed at low altitudes in the tenuous Venus nightside ionosphere. *Geophysical Research Letters*, **1993**, 20, 2767-2770	4.9	10
228	Observation of intense wave bursts at very low altitudes within the Venus nightside ionosphere. *Geophysical Research Letters*, **1993**, 20, 2771-2774	4.9	14
227	An empirical model of the size and shape of the near-Earth magnetotail. *Geophysical Research Letters*, **1993**, 20, 2695-2698	4.9	65
226	Evidence for Langmuir oscillations and a low density cavity in the Venus magnetotail. *Geophysical Research Letters*, **1993**, 20, 2775-2778	4.9	5
225	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		61
224	Magnetic structure of the low beta, quasi-perpendicular shock. *Journal of Geophysical Research*, **1993**, 98, 15285		72

223	Structure of the tail plasma/current sheet at ~11 RE and its changes in the course of a substorm. *Journal of Geophysical Research*, **1993**, 98, 17345		214
222	Planetary Lightning. *Annual Review of Earth and Planetary Sciences*, **1993**, 21, 43-87	15.3	15
221	Characteristics of ion flow in the quiet state of the inner plasma sheet. *Geophysical Research Letters* , **1993**, 20, 1711-1714	4.9	153
220	Model of the formation of the low-latitude boundary layer for strongly northward interplanetary magnetic field. *Journal of Geophysical Research*, **1992**, 97, 1411		280
219	Observations of a new class of upstream waves with periods near 3 seconds. *Journal of Geophysical Research*, **1992**, 97, 2917-2925		35
218	Unusually distant bow shock encounters at Venus. *Geophysical Research Letters*, **1992**, 19, 833-836	4.9	36
217	On the relative intercalibration of solar wind instruments on IMP-8 and ISEE-3. *Geophysical Research Letters*, **1992**, 19, 961-963	4.9	10
216	Density and field structure of a FTE observed in the magnetosphere. *Geophysical Research Letters*, **1992**, 19, 965-968	4.9	4
215	The effect of solar wind dynamic pressure changes on low and mid-latitude magnetic records. *Geophysical Research Letters*, **1992**, 19, 1227-1230	4.9	80
214	ISEE-1 and -2 observations of an isolated diamagnetic event: An earthward-moving plasma bulge or a tail-aligned flux rope?. *Geophysical Research Letters*, **1992**, 19, 1743-1746	4.9	5
213	Waves in the inner magnetosheath: A case study. *Geophysical Research Letters*, **1992**, 19, 2191-2194	4.9	50
212	Slow mode transition in the frontside magnetosheath. *Journal of Geophysical Research*, **1992**, 97, 8295		137
211	Control of VLF burst activity in the nightside ionosphere of Venus by the magnetic field orientation. *Journal of Geophysical Research*, **1992**, 97, 11673		18
210	Wave phenomena in the upstream region of Saturn. *Journal of Geophysical Research*, **1992**, 97, 19187		33
209	The Galileo magnetic field investigation. *Space Science Reviews*, **1992**, 60, 357	7.5	117
208	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		163
207	A study of ULF wave foreshock morphology□ ULF foreshock boundary. *Planetary and Space Science*, **1992**, 40, 1203-1213	2	52
206	A study of ULF wave foreshock morphology□: spatial variation of ULF waves. *Planetary and Space Science*, **1992**, 40, 1215-1225	2	50

205	Venus lightning. *Space Science Reviews*, **1991**, 55, 317	7.5	70
204	Asymmetries in the location of the Venus and Mars bow shock. *Geophysical Research Letters*, **1991**, 18, 127-129	4.9	29
203	Influences of solar wind parameters and geomagnetic activity on the tail lobe magnetic field: A statistical study. *Journal of Geophysical Research*, **1991**, 96, 5511		51
202	Reply [to Comment on A re-examination of impulsive VLF signals in the night ionosphere of Venus] *Geophysical Research Letters*, **1991**, 18, 755-758	4.9	
201	PC 3,4 magnetic pulsations observed simultaneously in the magnetosphere and at multiple ground stations. *Geophysical Research Letters*, **1991**, 18, 1671-1674	4.9	21
200	Picked-up protons near Mars: Phobos observations. *Geophysical Research Letters*, **1991**, 18, 1805-1808	4.9	58
199	The thickness of the magnetosheath: Constraints on the polytropic index. *Geophysical Research Letters*, **1991**, 18, 1821-1824	4.9	142
198	The magnetic barrier at Venus. *Journal of Geophysical Research*, **1991**, 96, 11145		112
197	He2+ heating at a quasi-parallel shock. *Journal of Geophysical Research*, **1991**, 96, 9805		10
196	Proxy studies of energy transfer to the magnetosphere. *Journal of Geophysical Research*, **1991**, 96, 9541		110
195	Venus ionospheric clouds: relationship to the magnetosheath field geometry. *Journal of Geophysical Research*, **1991**, 96, 11133		20
194	Ulf waves upstream of the Venus bow shock: Properties of one-hertz waves. *Journal of Geophysical Research*, **1991**, 96, 11271		37
193	Observations of reconnection of interplanetary and lobe magnetic field lines at the high-latitude magnetopause. *Journal of Geophysical Research*, **1991**, 96, 14097-14106		215
192	Coronal Mass Ejections and Magnetic Flux Ropes in Interplanetary Space. *Geophysical Monograph Series*, **1990**, 343-364	1.1	404
191	A Bubblelike Coronal Mass Ejection Flux Rope in the Solar Wind. *Geophysical Monograph Series*, **1990**, 365-371	1.1	36
190	Global Configuration of a Magnetic Cloud. *Geophysical Monograph Series*, **1990**, 373-377	1.1	106
189	Radioemission source disputed. *Nature*, **1990**, 345, 214-214	50.4	
188	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	2.4	12

187	Interplanetary magnetic field enhancements: Evidence for solar wind dust trail interactions. *Advances in Space Research*, **1990**, 10, 159-162	2.4	7
186	Evidence for lightning on Venus. *Advances in Space Research*, **1990**, 10, 125-136	2.4	14
185	The Magnetopause. *Geophysical Monograph Series*, **1990**, 439-453	1.1	15
184	Observations of Flux Transfer Events: Are Ftes Flux Ropes, Islands, or Surface Waves?. *Geophysical Monograph Series*, **1990**, 455-471	1.1	44
183	Reply [to [Comment on [He universal time variatlon of magnetic activity]] *Geophysical Research Letters*, **1990**, 17, 309-310	4.9	3
182	Current carriers in the near-Earth cross-tail current sheet during substorm growth phase. *Geophysical Research Letters*, **1990**, 17, 583-586	4.9	226
181	Particle acceleration during substorm growth and onset. *Geophysical Research Letters*, **1990**, 17, 587-590	4.9	23
180	The magnetotail of Mars: Phobos observations. *Geophysical Research Letters*, **1990**, 17, 885-888	4.9	96
179	Upstream waves at Mars: Phobos observations. *Geophysical Research Letters*, **1990**, 17, 897-900	4.9	111
178	Observations of the magnetic fluctuation enhancement in the Earth's foreshock region. *Geophysical Research Letters*, **1990**, 17, 905-908	4.9	15
177	Geomagnetic activity for northward interplanetary magnetic fields: AM index response. *Geophysical Research Letters*, **1990**, 17, 1065-1068	4.9	3
176	Electron plasma oscillations in the Venus foreshock. *Geophysical Research Letters*, **1990**, 17, 1805-1808	4.9	25
175	The electron edge of low latitude boundary layer during accelerated flow events. *Geophysical Research Letters*, **1990**, 17, 1833-1836	4.9	155
174	Observations of the density profile in the magnetosheath near the stagnation streamline. *Geophysical Research Letters*, **1990**, 17, 2035-2038	4.9	82
173	Cold ion beams in the low latitude boundary layer during accelerated flow events. *Geophysical Research Letters*, **1990**, 17, 2245-2248	4.9	91
172	Magnetic pulsations at the quasi-parallel shock. *Journal of Geophysical Research*, **1990**, 95, 957		72
171	Structure and properties of the subsolar magnetopause for northward IMF: ISEE observations. *Journal of Geophysical Research*, **1990**, 95, 6375		112
170	Plasma flow reversals at the dayside magnetopause and the origin of asymmetric polar cap convection. *Journal of Geophysical Research*, **1990**, 95, 8073		205

169	A study of the coherence length of ULF waves in the Earth's foreshock. *Journal of Geophysical Research*, **1990**, 95, 10703		29
168	The solar cycle dependence of the location and shape of the Venus bow shock. *Journal of Geophysical Research*, **1990**, 95, 14961		65
167	Magnetic Flux Ropes in the Ionosphere of Venus. *Geophysical Monograph Series*, **1990**, 413-423	1.1	19
166	Magnetic fields near Mars: first results. *Nature*, **1989**, 341, 604-607	50.4	230
165	Small scale irregularities in comet Halley's plasma mantle: An attempt at self-consistent analysis of plasma and magnetic field data. *Geophysical Research Letters*, **1989**, 16, 5-8	4.9	12
164	Observation of mirror waves downstream of a quasi-perpendicular shock. *Geophysical Research Letters*, **1989**, 16, 159-162	4.9	54
163	The universal time variation of geomagnetic activity. *Geophysical Research Letters*, **1989**, 16, 555-558	4.9	19
162	VLF bursts in the night ionosphere of Venus: Estimates of the Poynting flux. *Geophysical Research Letters*, **1989**, 16, 579-582	4.9	24
161	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	4.9	3
160	ULF waves in the Mercury magnetosphere. *Geophysical Research Letters*, **1989**, 16, 1253-1256	4.9	67
159	A re-examination of impulsive VLF signals in the night ionosphere of Venus. *Geophysical Research Letters*, **1989**, 16, 1481-1484	4.9	15
158	The Uranian magnetopause: Lessons from Earth. *Geophysical Research Letters*, **1989**, 16, 1485-1488	4.9	25
157	On the source of diffuse, suprathermal ions observed in the vicinity of the Earth's bow shock. *Journal of Geophysical Research*, **1989**, 94, 3555		35
156	Suprathermal electrons at Earth's bow shock. *Journal of Geophysical Research*, **1989**, 94, 10011-10025		83
155	Ion reflection and downstream thermalization at the quasi-parallel bow shock. *Journal of Geophysical Research*, **1989**, 94, 10027-10037		71
154	SPR executive committee meeting report. *Eos*, **1989**, 70, 675	1.5	
153	Physics of magnetic flux ropes. *Eos*, **1989**, 70, 684	1.5	3
152	Planetographic clustering of low-altitude impulsive electric signals in the night ionosphere of Venus. *Nature*, **1988**, 331, 591-594	50.4	22

151	Geomagnetic activity during the passage of the Earth through Halley's tail in 1910. *Nature*, **1988**, 333, 338-340	50.4	3
150	Multipoint measurements of upstream waves. *Advances in Space Research*, **1988**, 8, 147-156	2.4	20
149	VLF bursts in the night ionosphere of Venus: Effects of the magnetic field. *Planetary and Space Science*, **1988**, 36, 1211-1218	2	17
148	SOHO: An unfortunate omission. *Eos*, **1988**, 69, 636	1.5	1
147	Solar and interplanetary control of the location of the Venus bow shock. *Journal of Geophysical Research*, **1988**, 93, 5461		98
146	The altitude distribution of impulsive signals in the night ionosphere of Venus. *Journal of Geophysical Research*, **1988**, 93, 5915		30
145	Field-aligned current signatures in the near-tail region: 1. ISEE observations in the plasma sheet boundary layer. *Journal of Geophysical Research*, **1988**, 93, 9709		77
144	On the origin of hot diamagnetic cavities near the Earth's bow shock. *Journal of Geophysical Research*, **1988**, 93, 11311		89
143	Reply [to Comment on Tu Que? by Emile A. Okal]. *Eos*, **1987**, 68, 37	1.5	
142	Robert E. Holzer in celebration of his 80th birthday. *Eos*, **1987**, 68, 761	1.5	1
141	Interplanetary magnetic field enhancements: Further evidence for an association with Asteroid 2201 Oljato. *Geophysical Research Letters*, **1987**, 14, 491-494	4.9	13
140	Reply to Taylor and Cloutier. *Geophysical Research Letters*, **1987**, 14, 571-572	4.9	4
139	Magnetic field draping in the comet Halley coma: Comparison of Vega observations with computer simulations. *Geophysical Research Letters*, **1987**, 14, 640-643	4.9	21
138	Mirror instability in the magnetosphere of comet Halley. *Geophysical Research Letters*, **1987**, 14, 644-647	4.9	121
137	An examination of possible solar wind sources for a sudden brightening of comet IRAS-Araki-Alcock. *Geophysical Research Letters*, **1987**, 14, 991-994	4.9	7
136	The ionotail of Venus: Its configuration and evidence for ion escape. *Journal of Geophysical Research*, **1987**, 92, 15		124
135	Upper limit on the intrinsic magnetic field of Venus. *Journal of Geophysical Research*, **1987**, 92, 2253		49
134	Fast shocks at the edges of hot diamagnetic cavities upstream from the Earth's bow shock. *Journal of Geophysical Research*, **1987**, 92, 3187		40

133	An extended study of the low-latitude boundary layer on the dawn and dusk flanks of the magnetosphere. *Journal of Geophysical Research*, **1987**, 92, 7394		240
132	Characteristics of the Marslike limit of the Venus-solar wind interaction. *Journal of Geophysical Research*, **1987**, 92, 8545		116
131	Magnetic field observations in comet Halley's coma. *Nature*, **1986**, 321, 288-289	50.4	140
130	The phase relationship between gyrophase-bunched ions and MHD-like waves. *Geophysical Research Letters*, **1986**, 13, 60-63	4.9	29
129	ISEE-1 and 2 observations of magnetic flux ropes in the magnetotail: FTE's in the plasma sheet?. *Geophysical Research Letters*, **1986**, 13, 648-651	4.9	83
128	Interplanetary field control of the location of the Venus bow shock: Evidence for comet-like ion pickup. *Geophysical Research Letters*, **1986**, 13, 917-920	4.9	37
127	Further evidence for lightning on Venus. *Geophysical Research Letters*, **1986**, 13, 1051-1054	4.9	35
126	Reply [Comment on the Pioneer Venus Orbiter Event of February 11, 1982: of cometary or solar origin?] *Geophysical Research Letters*, **1986**, 13, 1071-1074	4.9	1
125	Near-tail reconnection as the cause of cometary tail disconnections. *Journal of Geophysical Research* , **1986**, 91, 1417		53
124	Hot, diamagnetic cavities upstream from the Earth's bow shock. *Journal of Geophysical Research*, **1986**, 91, 2961		149
123	The average magnetic field draping and consistent plasma properties of the Venus magnetotail. *Journal of Geophysical Research*, **1986**, 91, 7939		119
122	The resolved layer of a collisionless, high supercritical, quasi-perpendicular shock wave: 1. Rankine-Hugoniot geometry, currents, and stationarity. *Journal of Geophysical Research*, **1986**, 91, 11019		139
121	A test of Lee's quasi-linear theory of ion acceleration by interplanetary traveling shocks. *Journal of Geophysical Research*, **1986**, 91, 11917		98
120	Planetary Bow Shocks. *Geophysical Monograph Series*, **1985**, 109-130	1.1	59
119	On the source region of flux transfer events. *Advances in Space Research*, **1985**, 5, 363-368	2.4	47
118	Dependence of Venus ionopause altitude and ionospheric magnetic field on solar wind dynamic pressure. *Advances in Space Research*, **1985**, 5, 173-176	2.4	43
117	Interplanetary magnetic field enhancements in the solar wind: Statistical properties at 1 AU. *Icarus*, **1985**, 62, 230-243	3.8	17
116	Patchy Reconnection and Magnetic Ropes in Astrophysical Plasmas. *Symposium - International Astronomical Union*, **1985**, 107, 25-42		

115	The Fluxgate Magnetometer for the AMPTE UK Subsatellite. *IEEE Transactions on Geoscience and Remote Sensing*, **1985**, GE-23, 301-304	8.1	45
114	Solar-terrestrial relations. *Eos*, **1985**, 66, 57	1.5	2
113	Three spacecraft measurements of an unusual disturbance in the solar wind: Further evidence for a cometary encounter. *Geophysical Research Letters*, **1985**, 12, 476-478	4.9	14
112	ISEE 1 and 2 observation of the spatial structure of a compressional Pc5 wave. *Geophysical Research Letters*, **1985**, 12, 613-616	4.9	23
111	The location of the subsolar bow shock of Venus: Implications for the obstacle shape. *Geophysical Research Letters*, **1985**, 12, 627-630	4.9	14
110	Observations of field-aligned currents at the plasma sheet boundary: An ISEE-1 and 2 survey. *Geophysical Research Letters*, **1985**, 12, 631-634	4.9	48
109	The Pioneer Venus Orbiter event of February 11, 1982: Of cometary or solar origin?. *Geophysical Research Letters*, **1985**, 12, 859-861	4.9	3
108	Flux transfer events at the Jovian magnetopause. *Journal of Geophysical Research*, **1985**, 90, 7397-7404		65
107	Flux transfer events at Mercury. *Journal of Geophysical Research*, **1985**, 90, 11067		60
106	Reconnection at the Earth's Magnetopause: Magnetic Field Observations and Flux Transfer Events. *Geophysical Monograph Series*, **1984**, 124-138	1.1	25
105	A Dual-Satellite Study of the Spatial Properties Of Ftes. *Geophysical Monograph Series*, **1984**, 145-152	1.1	20
104	Flux Transfer Events and Interplanetary Magnetic Field Conditions. *Geophysical Monograph Series*, **1984**, 154-155	1.1	
103	Recent Investigations Op Flux Transfer Events Observed at the Dayside Magnetopause. *Geophysical Monograph Series*, **1984**, 139-144	1.1	10
102	Patterns of Magnetic Field Merging Sites on the Magnetopause. *Geophysical Monograph Series*, **1984**, 156-157	1.1	1
101	Interplanetary magnetic field enhancements and their association with the asteroid 2201 oljato. *Science*, **1984**, 226, 43-5	33.3	53
100	Interplanetary field enhancements in the solar wind: Statistical properties at 0.72 AU. *Icarus*, **1984**, 60, 332-350	3.8	27
99	Flux transfer events: Scale size and interior structure. *Geophysical Research Letters*, **1984**, 11, 131-134	4.9	214
98	Time scales for the decay of induced large-scale magnetic fields in the Venus ionosphere. *Journal of Geophysical Research*, **1984**, 89, 362-368		67

97	A survey of dayside flux transfer events observed by ISEE 1 and 2 magnetometers. *Journal of Geophysical Research*, **1984**, 89, 786		327
96	Patterns of potential magnetic field merging sites on the dayside magnetopause. *Journal of Geophysical Research*, **1984**, 89, 1739		191
95	The distribution of reconnection geometry in flux transfer events using energetic ion, plasma and magnetic data. *Journal of Geophysical Research*, **1984**, 89, 3843		102
94	Flux transfer events on the magnetopause: Spatial distribution and controlling factors. *Journal of Geophysical Research*, **1984**, 89, 6689		232
93	A comparison of specularly reflected gyrating ion orbits with observed shock foot thicknesses. *Journal of Geophysical Research*, **1984**, 89, 6824		43
92	Growth and maintenance of large-scale magnetic fields in the dayside Venus ionosphere. *Journal of Geophysical Research*, **1984**, 89, 10676		66
91	Cosmic Electrodynamics. *Eos*, **1983**, 64, 99	1.5	
90	The interaction of flowing plasmas with planetary ionospheres: A Titan-Venus comparison. *Journal of Geophysical Research*, **1983**, 88, 49		31
89	Magnetic flux ropes in the Venus ionosphere: Observations and models. *Journal of Geophysical Research*, **1983**, 88, 58		97
88	Plasma rest frame frequencies and polarizations of the low-frequency upstream waves: ISEE 1 and 2 Observations. *Journal of Geophysical Research*, **1983**, 88, 2021		205
87	Global characteristics of magnetic flux ropes in the Venus ionosphere. *Journal of Geophysical Research*, **1983**, 88, 2993		36
86	Multiple spacecraft observations of interplanetary shocks: Four spacecraft determination of shock normals. *Journal of Geophysical Research*, **1983**, 88, 4739		159
85	Evolution of ion distributions across the nearly perpendicular bow shock: Specularly and non-specularly reflected-gyrating ions. *Journal of Geophysical Research*, **1983**, 88, 6121		287
84	Multiple spacecraft observations of interplanetary shocks: ISEE three-dimensional plasma measurements. *Journal of Geophysical Research*, **1983**, 88, 9941		61
83	An unusual interplanetary event: encounter with a comet?. *Nature*, **1983**, 305, 612-615	50.4	31
82	Electron Heating Within the Earth's Bow Shock. *Physical Review Letters*, **1982**, 49, 199-201	7.4	104
81	Introduction to Communication Science and Systems. *Eos*, **1982**, 63, 548	1.5	
80	Magnetic field and plasma wave observations in a plasma cloud at Venus. *Geophysical Research Letters*, **1982**, 9, 45-48	4.9	55

79	Large-amplitude magnetic variations in quasi-parallel shocks: Correlation lengths measured by ISEE 1 and 2. *Geophysical Research Letters*, **1982**, 9, 781-784	4.9	37
78	ISEE-1 and -2 observations of magnetic field strength overshoots in quasi-perpendicular bow shocks. *Geophysical Research Letters*, **1982**, 9, 1037-1040	4.9	69
77	ISEE-1 and -2 observations of laminar bow shocks: Velocity and thickness. *Geophysical Research Letters*, **1982**, 9, 1171-1174	4.9	80
76	Characteristics of the ULF waves associated with upstream ion beams. *Journal of Geophysical Research*, **1982**, 87, 643		89
75	The thickness of the magnetopause current layer: ISEE 1 and 2 observations. *Journal of Geophysical Research*, **1982**, 87, 2108		229
74	Evidence for quasi-stationary reconnection at the dayside magnetopause. *Journal of Geophysical Research*, **1982**, 87, 2147		127
73	Plasma and magnetic field characteristics of magnetic flux transfer events. *Journal of Geophysical Research*, **1982**, 87, 2159		320
72	Factors controlling degree of correlation between ISEE 1 and ISEE 3 interplanetary magnetic field measurements. *Journal of Geophysical Research*, **1982**, 87, 2224		118
71	Standing hydromagnetic waves observed by ISEE 1 and 2: Radial extent and harmonic. *Journal of Geophysical Research*, **1982**, 87, 3519		126
70	Magnetic field rotation through the magnetopause: ISEE 1 and 2 observations. *Journal of Geophysical Research*, **1982**, 87, 8139		99
69	The properties of the low altitude magnetic belt in the Venus ionosphere. *Advances in Space Research*, **1982**, 2, 13-16	2.4	31
68	Effects of large-scale magnetic fields in the Venus ionosphere. *Advances in Space Research*, **1982**, 2, 17-21	2.4	9
67	Particle acceleration at planetary bow shock waves. *Nature*, **1982**, 295, 41-42	50.4	73
66	The solar wind interaction. *Nature*, **1982**, 296, 20-20	50.4	4
65	Overshoots in planetary bow shocks. *Nature*, **1982**, 296, 45-48	50.4	88
64	Orientation of planetary O+ fluxes and magnetic field lines in the Venus wake. *Nature*, **1982**, 299, 325-326	50.4	9
63	Observations of reverse polarity flux transfer events at the Earth's dayside magnetopause. *Nature*, **1982**, 300, 23-26	50.4	68
62	Evidence for the tailward retreat of a magnetic neutral line in the magnetotail during substorm recovery. *Geophysical Research Letters*, **1981**, 8, 261-264	4.9	111

61	Field-aligned currents in the Earth's magnetotail. *Journal of Geophysical Research*, **1981**, 86, 687		97
60	Particle signature of magnetic flux transfer events at the magnetopause. *Journal of Geophysical Research*, **1981**, 86, 1628		73
59	Structure of the low-latitude boundary layer. *Journal of Geophysical Research*, **1981**, 86, 2099		338
58	Substorm-related plasma sheet motions as determined from differential timing of plasma changes at the Isee satellites. *Journal of Geophysical Research*, **1981**, 86, 3459		33
57	Upstream hydromagnetic waves and their association with backstreaming ion populations: ISEE 1 and 2 observations. *Journal of Geophysical Research*, **1981**, 86, 4471-4492		394
56	Whistler mode wave propagation in the solar wind near the bow shock. *Journal of Geophysical Research*, **1981**, 86, 4511-4516		28
55	Evidence for magnetic field reconnection at the Earth's magnetopause. *Journal of Geophysical Research*, **1981**, 86, 10049		591
54	The Venus ionopause current sheet: Thickness length scale and controlling factors. *Journal of Geophysical Research*, **1981**, 86, 11430		51
53	Contour maps of lunar remanent magnetic fields. *Journal of Geophysical Research*, **1981**, 86, 1055-1069		45
52	On the nature of ULF waves upstream of planetary bow shocks. *Advances in Space Research*, **1981**, 1, 327-332	2.4	28
51	Magnetic flux ropes in the Venus ionosphere: In situ observations of force-free structures?. *Advances in Space Research*, **1981**, 1, 53-58	2.4	6
50	Magnetospheric substorms□definition and signatures. *Journal of Geophysical Research*, **1980**, 85, 1663		317
49	Whistler mode wave packets in the Earth's foreshock region. *Nature*, **1980**, 287, 417-420	50.4	34
48	Cui Honorem Honorem. *Eos*, **1980**, 61, 481	1.5	
47	The location of the dayside ionopause of Venus: Pioneer Venus Orbiter Magnetometer observations. *Geophysical Research Letters*, **1980**, 7, 561-564	4.9	28
46	Observations of large scale steady magnetic fields in the dayside Venus ionosphere. *Geophysical Research Letters*, **1980**, 7, 917-920	4.9	91
45	A macroscopic profile of the typical quasi-perpendicular bow shock: Isee 1 and 2. *Journal of Geophysical Research*, **1980**, 85, 2124		48
44	Observations of the dayside ionopause and ionosphere of Venus. *Journal of Geophysical Research*, **1980**, 85, 7679		155

43	Lightning on Venus: Orbiter detection of whistler signals. *Journal of Geophysical Research*, **1980**, 85, 8158		85
42	Pioneer Venus Orbiter Fluxgate Magnetometer. *IEEE Transactions on Geoscience and Remote Sensing*, **1980**, GE-18, 32-35	8.1	107
41	Comparison of ISEE-1 and -3 interplanetary magnetic field observations. *Geophysical Research Letters*, **1980**, 7, 381-384	4.9	74
40	Initial ISEE magnetometer results: Shock observation. *Space Science Reviews*, **1979**, 23, 3	7.5	85
39	Evidence for lightning on Venus. *Nature*, **1979**, 279, 614-616	50.4	78
38	Observation of magnetic flux ropes in the Venus ionosphere. *Nature*, **1979**, 279, 616-618	50.4	154
37	Scaling law test and two predictions of planetary magnetic moments. *Nature*, **1979**, 281, 552-553	50.4	16
36	Pioneer magnetometer observations of the Venus bow shock. *Nature*, **1979**, 282, 815-816	50.4	22
35	Plasma acceleration at the Earth's magnetopause: evidence for reconnection. *Nature*, **1979**, 282, 243-246	50.4	543
34	AGU member self-evaluation test. *Eos*, **1979**, 60, 1022	1.5	
33	ISEE observations of flux transfer events at the dayside magnetopause. *Geophysical Research Letters*, **1979**, 6, 33-36	4.9	562
32	Plasma wave turbulence at the magnetopause: Observations from ISEE 1 and 2. *Journal of Geophysical Research*, **1979**, 84, 7043		154
31	Initial pioneer venus magnetic field results: dayside observations. *Science*, **1979**, 203, 745-8	33.3	139
30	Absorption of whistler mode waves in the ionosphere of venus. *Science*, **1979**, 205, 112-4	33.3	56
29	Initial ISEE magnetometer results: magnetopause observations. *Space Science Reviews*, **1978**, 22, 681	7.5	890
28	Re-evaluating Bode's law of planetary magnetism. *Nature*, **1978**, 272, 147-148	50.4	33
27	The ISEE 1 and 2 Fluxgate Magnetometers **1978**, 16, 239-242		305
26	On the apparent source depth of planetary magnetic fields. *Geophysical Research Letters*, **1978**, 5, 211-214	4.9	37

25	Ogo 5 observations of Pc 5 waves: Particle flux modulations. *Journal of Geophysical Research*, **1977**, 82, 2774-2786		83
24	On the possibility of deducing interplanetary and solar parameters from geomagnetic records. *Solar Physics*, **1975**, 42, 259-269	2.6	61
23	The third solar wind conference: A summary. *Space Science Reviews*, **1975**, 17, 435-447	7.5	
22	Structure of the quasi-perpendicular laminar bow shock. *Journal of Geophysical Research*, **1975**, 80, 502-514		96
21	An empirical relationship between interplanetary conditions and Dst. *Journal of Geophysical Research*, **1975**, 80, 4204-4214		975
20	On the source of lunar limb compressions. *Journal of Geophysical Research*, **1975**, 80, 4700-4711		53
19	The terrestrial magnetosphere: a half-wave rectifier of the interplanetary electric field. *Science*, **1975**, 189, 717-8	33.3	74
18	On the limitations of geomagnetic measures of interplanetary magnetic polarity. *Solar Physics*, **1974**, 37, 251-256	2.6	27
17	The Solar Wind and Magnetospheric Dynamics. *Astrophysics and Space Science Library*, **1974**, 3-47	0.3	30
16	The magnetotail and substorms. *Space Science Reviews*, **1973**, 15, 205	7.5	442
15	Semiannual variation of geomagnetic activity. *Journal of Geophysical Research*, **1973**, 78, 92-108		692
14	Ion cyclotron waves observed in the polar cusp. *Journal of Geophysical Research*, **1973**, 78, 2917-2925		34
13	Substorms in space: The correlation between ground and satellite observations of the magnetic field. *Radio Science*, **1973**, 8, 1059-1076	1.4	57
12	Satellite studies of magnetospheric substorms on August 15, 1968: 9. Phenomenological model for substorms. *Journal of Geophysical Research*, **1973**, 78, 3131-3149		947
11	Study of waves in the Earth's bow shock. *Journal of Geophysical Research*, **1972**, 77, 2264-2273		53
10	Plasma waves in the dayside polar cusp: 1, Magnetospheric observations. *Journal of Geophysical Research*, **1972**, 77, 2274-2293		75
9	Outer magnetosphere near midnight at quiet and disturbed times. *Journal of Geophysical Research*, **1972**, 77, 5487-5502		96
8	Fluctuating magnetic fields in the magnetosphere. *Space Science Reviews*, **1972**, 12, 810-856	7.5	50

7	Satellite measurements of the moon's magnetic field: A preliminary report. *The Moon*, **1972**, 4, 419-429	33
6	Ogo 5 observations of upstream waves in the interplanetary medium: Discrete wave packets. *Journal of Geophysical Research*, **1971**, 76, 845-861	143
5	Ogo 5 observations of the polar cusp on November 1, 1968. *Journal of Geophysical Research*, **1971**, 76, 6743-6764	129
4	OGO 3 observations of ELF noise in the magnetosphere: 2. The nature of the equatorial noise. *Journal of Geophysical Research*, **1970**, 75, 755-768	224
3	Inward motion of the magnetopause before a substorm. *Journal of Geophysical Research*, **1970**, 75, 7018-7031	272
2	Magnetic emissions in the magnetosheath at frequencies near 100 Hz. *Journal of Geophysical Research*, **1969**, 74, 3027-3036	70
1	Dawn at Vesta: Paradigms and Paradoxes321-339	8