C T R Russell

List of Publications by Year
in descending order

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1,344	75,719	553 126	1851 209
papers	citations	h-index	g-index

1424	1424	1424	10794
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An empirical relationship between interplanetary conditions andDst. Journal of Geophysical Research, 1975, 80, 4204-4214.	3.3	1,170
2	Satellite studies of magnetospheric substorms on August 15, 1968: 9. Phenomenological model for substorms. Journal of Geophysical Research, 1973, 78, 3131-3149.	3.3	1,074
3	Initial ISEE magnetometer results: magnetopause observations. Space Science Reviews, 1978, 22, 681.	3.7	965
4	The Magnetospheric Multiscale Magnetometers. Space Science Reviews, 2016, 199, 189-256.	3.7	896
5	Magnetopause location under extreme solar wind conditions. Journal of Geophysical Research, 1998, 103, 17691-17700.	3.3	854
6	Semiannual variation of geomagnetic activity. Journal of Geophysical Research, 1973, 78, 92-108.	3.3	833
7	Evidence for magnetic field reconnection at the Earth's magnetopause. Journal of Geophysical Research, 1981, 86, 10049-10067.	3.3	671
8	ISEE observations of flux transfer events at the dayside magnetopause. Geophysical Research Letters, 1979, 6, 33-36.	1.5	655
9	A new functional form to study the solar wind control of the magnetopause size and shape. Journal of Geophysical Research, 1997, 102, 9497-9511.	3.3	652
10	Statistical characteristics of bursty bulk flow events. Journal of Geophysical Research, 1994, 99, 21257.	3.3	642
11	Plasma acceleration at the Earth's magnetopause: evidence for reconnection. Nature, 1979, 282, 243-246.	13.7	611
12	Galileo Magnetometer Measurements: A Stronger Case for a Subsurface Ocean at Europa. Science, 2000, 289, 1340-1343.	6.0	576
13	Tail Reconnection Triggering Substorm Onset. Science, 2008, 321, 931-935.	6.0	551
14	Electron-scale measurements of magnetic reconnection in space. Science, 2016, 352, aaf2939.	6.0	545
15	Induced magnetic fields as evidence for subsurface oceans in Europa and Callisto. Nature, 1998, 395, 777-780.	13.7	539
16	The magnetotail and substorms. Space Science Reviews, 1973, 15, 205.	3.7	496
17	Coronal mass ejections and magnetic flux ropes in interplanetary space. Geophysical Monograph Series, 1990, , 343-364.	0.1	475
18	The Cassini Magnetic Field Investigation. Space Science Reviews, 2004, 114, 331-383.	3.7	434

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19	Upstream hydromagnetic waves and their association with backstreaming ion populations: ISEE 1 and 2 observations. Journal of Geophysical Research, 1981, 86, 4471-4492.	3.3	431
20	Dawn at Vesta: Testing the Protoplanetary Paradigm. Science, 2012, 336, 684-686.	6.0	422
21	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. Space Science Reviews, 2016, 199, 105-135.	3.7	390
22	Structure of the lowâ€latitude boundary layer. Journal of Geophysical Research, 1981, 86, 2099-2110.	3.3	382
23	A survey of dayside flux transfer events observed by ISEE 1 and 2 magnetometers. Journal of Geophysical Research, 1984, 89, 786-800.	3.3	380
24	Magnetospheric substormsâ€”definition and signatures. Journal of Geophysical Research, 1980, 85, 1663-1668.	3.3	371
25	Plasma and magnetic field characteristics of magnetic flux transfer events. Journal of Geophysical Research, 1982, 87, 2159-2168.	3.3	363
26	Discovery of Ganymede's magnetic field by the Galileo spacecraft. Nature, 1996, 384, 537-541.	13.7	348
27	Identification of a Dynamic Atmosphere at Enceladus with the Cassini Magnetometer. Science, 2006, 311, 1406-1409.	6.0	338
28	The ISEE 1 and 2 Fluxgate Magnetometers. , 1978, 16, 239-242.		331
29	Evolution of ion distributions across the nearly perpendicular bow shock: Specularly and nonâ€specularly reflectedâ€gyrating ions. Journal of Geophysical Research, 1983, 88, 6121-6136.	3.3	326
30	Model of the formation of the lowâ€latitude boundary layer for strongly northward interplanetary magnetic field. Journal of Geophysical Research, 1992, 97, 1411-1420.	3.3	324
31	Inward motion of the magnetopause before a substorm. Journal of Geophysical Research, 1970, 75, 7018-7031.	3.3	302
32	Detection of localized, plasma-depleted flux tubes or bubbles in the midtail plasma sheet. Journal of Geophysical Research, 1996, 101, 10817-10826.	3.3	284
33	Properties of Interplanetary Coronal Mass Ejections at One AU During 1995 â€“ 2004. Solar Physics, 2006, 239, 393-436.	1.0	277
34	Ammoniated phyllosilicates with a likely outer Solar System origin on (1) Ceres. Nature, 2015, 528, 241-244.	13.7	276
35	Flux transfer events on the magnetopause: Spatial distribution and controlling factors. Journal of Geophysical Research, 1984, 89, 6689-6703.	3.3	274
36	The THEMIS Array of Ground-based Observatories forÂthe Study of Auroral Substorms. Space Science Reviews, 2008, 141, 357-387.	3.7	274

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37	Initial results from the InSight mission on Mars. Nature Geoscience, 2020, 13, 183-189.	5.4	274
38	Evidence for kinetic AlfvÃ©n waves and parallel electron energization at 4-6REaltitudes in the plasma sheet boundary layer. Journal of Geophysical Research, 2002, 107, SMP 24-1-SMP 24-15.	3.3	271
39	An extended study of the lowâ€latitude boundary layer on the dawn and dusk flanks of the magnetosphere. Journal of Geophysical Research, 1987, 92, 7394-7404.	3.3	263
40	Differentiation of the asteroid Ceres as revealed by its shape. Nature, 2005, 437, 224-226.	13.7	263
41	Electron magnetic reconnection without ion coupling in Earthâ€™s turbulent magnetosheath. Nature, 2018, 557, 202-206.	13.7	263
42	The thickness of the magnetopause current layer: ISEE 1 and 2 observations. Journal of Geophysical Research, 1982, 87, 2108-2114.	3.3	262
43	High-speed ion flow, substorm current wedge, and multiple Pi 2 pulsations. Journal of Geophysical Research, 1998, 103, 4491-4507.	3.3	260
44	The Upgraded CARISMA Magnetometer Array inÂtheÂTHEMIS Era. Space Science Reviews, 2008, 141, 413-451.	3.7	258
45	STEREO IMPACT Investigation Goals, Measurements, and Data Products Overview. Space Science Reviews, 2008, 136, 117-184.	3.7	257
46	OGO 3 observations of ELF noise in the magnetosphere: 2. The nature of the equatorial noise. Journal of Geophysical Research, 1970, 75, 755-768.	3.3	254
47	Polar spacecraft based comparisons of intense electric fields and Poynting flux near and within the plasma sheet-tail lobe boundary to UVI images: An energy source for the aurora. Journal of Geophysical Research, 2000, 105, 18675-18692.	3.3	250
48	Discovery of very large amplitude whistlerâ€mode waves in Earth's radiation belts. Geophysical Research Letters, 2008, 35, .	1.5	249
49	Flux transfer events: Scale size and interior structure. Geophysical Research Letters, 1984, 11, 131-134.	1.5	248
50	Magnetic fields near Mars: first results. Nature, 1989, 341, 604-607.	13.7	246
51	Structure of the tail plasma/current sheet at âˆ¼11 R_E and its changes in the course of a substorm. Journal of Geophysical Research, 1993, 98, 17345-17365.	3.3	246
52	Current carriers in the nearâ€Earth crossâ€tail current sheet during substorm growth phase. Geophysical Research Letters, 1990, 17, 583-586.	1.5	245
53	Determining the standoff distance of the bow shock: Mach number dependence and use of models. Journal of Geophysical Research, 1994, 99, 17681.	3.3	240
54	Spectroscopic Characterization of Mineralogy and Its Diversity Across Vesta. Science, 2012, 336, 697-700.	6.0	240

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55	Bright carbonate deposits as evidence of aqueous alteration on (1) Ceres. Nature, 2016, 536, 54-57.	13.7	240
56	Observations of reconnection of interplanetary and lobe magnetic field lines at the highâ€latitude magnetopause. Journal of Geophysical Research, 1991, 96, 14097-14106.	3.3	239
57	Magnetic field investigation of the Venus plasma environment: Expected new results from Venus Express. Planetary and Space Science, 2006, 54, 1336-1343.	0.9	235
58	Properties of Stream Interactions at One AU During 1995 â€“ 2004. Solar Physics, 2006, 239, 337-392.	1.0	234
59	Near-Earth magnetotail shape and size as determined from the magnetopause flaring angle. Journal of Geophysical Research, 1996, 101, 137-152.	3.3	231
60	Plasma flow reversals at the dayside magnetopause and the origin of asymmetric polar cap convection. Journal of Geophysical Research, 1990, 95, 8073-8084.	3.3	230
61	The GGS/POLAR magnetic fields investigation. Space Science Reviews, 1995, 71, 563-582.	3.7	225
62	Vestaâ€™s Shape and Morphology. Science, 2012, 336, 687-690.	6.0	222
63	Plasma rest frame frequencies and polarizations of the lowâ€frequency upstream waves: ISEE 1 and 2 Observations. Journal of Geophysical Research, 1983, 88, 2021-2027.	3.3	221
64	Patterns of potential magnetic field merging sites on the dayside magnetopause. Journal of Geophysical Research, 1984, 89, 1739-1742.	3.3	221
65	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	6.0	221
66	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.	1.1	216
67	The Analyser of Space Plasmas and Energetic Atoms (ASPERA-4) for the Venus Express mission. Planetary and Space Science, 2007, 55, 1772-1792.	0.9	214
68	Multiple spacecraft observations of interplanetary shocks: Four spacecraft determination of shock normals. Journal of Geophysical Research, 1983, 88, 4739-4748.	3.3	211
69	Cassini Magnetometer Observations During Saturn Orbit Insertion. Science, 2005, 307, 1266-1270.	6.0	211
70	The STEREO/IMPACT Magnetic Field Experiment. Space Science Reviews, 2008, 136, 203-226.	3.7	209
71	The Violent Collisional History of Asteroid 4 Vesta. Science, 2012, 336, 690-694.	6.0	209
72	Elemental Mapping by Dawn Reveals Exogenic H in Vestaâ€™s Regolith. Science, 2012, 338, 242-246.	6.0	201

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73	Probabilistic models of the Jovian magnetopause and bow shock locations. Journal of Geophysical Research, 2002, 107, SMP 17-1.	3.3	195
74	The Geologically Recent Giant Impact Basins at Vestaâ€™s South Pole. Science, 2012, 336, 694-697.	6.0	194
75	Radial expansion of the tail current disruption during substorms: A new approach to the substorm onset region. Journal of Geophysical Research, 1992, 97, 3129-3136.	3.3	185
76	Dawn; the Vestaâ€“<scp>HED</scp> connection; and the geologic context for eucrites, diogenites, and howardites. Meteoritics and Planetary Science, 2013, 48, 2090-2104.	0.7	185
77	The electron edge of low latitude boundary layer during accelerated flow events. Geophysical Research Letters, 1990, 17, 1833-1836.	1.5	184
78	Multipoint analysis of a bursty bulk flow event on April 11, 1985. Journal of Geophysical Research, 1996, 101, 4967-4989.	3.3	184
79	The Dawn Mission to Vesta and Ceres. Space Science Reviews, 2011, 163, 3-23.	3.7	184
80	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.	1.5	183
81	Dawn: A mission in development for exploration of main belt asteroids Vesta and Ceres. Acta Astronautica, 2006, 58, 605-616.	1.7	178
82	Dawn arrives at Ceres: Exploration of a small, volatile-rich world. Science, 2016, 353, 1008-1010.	6.0	178
83	Characteristics of ion flow in the quiet state of the inner plasma sheet. Geophysical Research Letters, 1993, 20, 1711-1714.	1.5	177
84	Plasma wave turbulence at the magnetopause: Observations from ISEE 1 and 2. Journal of Geophysical Research, 1979, 84, 7043-7058.	3.3	175
85	Solar cycle evolution of the structure of magnetic clouds in the inner heliosphere. Geophysical Research Letters, 1998, 25, 2959-2962.	1.5	171
86	First Results from the THEMIS Mission. Space Science Reviews, 2008, 141, 453-476.	3.7	171
87	Observations of the dayside ionopause and ionosphere of Venus. Journal of Geophysical Research, 1980, 85, 7679-7696.	3.3	170
88	Hot, diamagnetic cavities upstream from the Earth's bow shock. Journal of Geophysical Research, 1986, 91, 2961-2973.	3.3	169
89	A partially differentiated interior for (1) Ceres deduced from its gravity field and shape. Nature, 2016, 537, 515-517.	13.7	169
90	Extensive water ice within Ceresâ€™ aqueously altered regolith: Evidence from nuclear spectroscopy. Science, 2017, 355, 55-59.	6.0	169

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91	The loss of ions from Venus through the plasma wake. Nature, 2007, 450, 650-653.	13.7	168
92	Color and Albedo Heterogeneity of Vesta from Dawn. Science, 2012, 336, 700-704.	6.0	166
93	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	6.0	166
94	Io's Interaction with the Plasma Torus: Galileo Magnetometer Report. Science, 1996, 274, 396-398.	6.0	165
95	Cryovolcanism on Ceres. Science, 2016, 353, .	6.0	164
96	Observation of magnetic flux ropes in the Venus ionosphere. Nature, 1979, 279, 616-618.	13.7	163
97	Slow mode transition in the frontside magnetosheath. Journal of Geophysical Research, 1992, 97, 8295-8305.	3.3	161
98	Distribution of phyllosilicates on the surface of Ceres. Science, 2016, 353, .	6.0	159
99	Reconnection at the high-latitude magnetopause during northward interplanetary magnetic field conditions. Journal of Geophysical Research, 2001, 106, 25467-25488.	3.3	158
100	Ogo 5 observations of upstream waves in the interplanetary medium: Discrete wave packets. Journal of Geophysical Research, 1971, 76, 845-861.	3.3	157
101	The resolved layer of a collisionless, high Î², supercritical, quasiâ€perpendicular shock wave: 1. Rankineâ€Hugoniot geometry, currents, and stationarity. Journal of Geophysical Research, 1986, 91, 11019-11052.	3.3	156
102	The thickness of the magnetosheath: Constraints on the polytropic index. Geophysical Research Letters, 1991, 18, 1821-1824.	1.5	154
103	Magnetic field observations in comet Halley's coma. Nature, 1986, 321, 288-289.	13.7	152
104	Delivery of dark material to Vesta via carbonaceous chondritic impacts. Icarus, 2012, 221, 544-559.	1.1	152
105	Localized aliphatic organic material on the surface of Ceres. Science, 2017, 355, 719-722.	6.0	152
106	Dark material on Vesta from the infall of carbonaceous volatile-rich material. Nature, 2012, 491, 83-86.	13.7	151
107	Initial Pioneer Venus Magnetic Field Results: Dayside Observations. Science, 1979, 203, 745-748.	6.0	148
108	Warping of Saturn's magnetospheric and magnetotail current sheets. Journal of Geophysical Research, 2008, 113, .	3.3	148

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109	Evidence for quasiâ€stationary reconnection at the dayside magnetopause. Journal of Geophysical Research, 1982, 87, 2147-2158.	3.3	146
110	Cusp energetic particle events: Implications for a major acceleration region of the magnetosphere. Journal of Geophysical Research, 1998, 103, 69-78.	3.3	143
111	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. Journal of Geophysical Research, 2012, 117, .	3.3	143
112	Ogo 5 observations of the polar cusp on November 1, 1968. Journal of Geophysical Research, 1971, 76, 6743-6764.	3.3	139
113	Standing hydromagnetic waves observed by ISEE 1 and 2: Radial extent and harmonic. Journal of Geophysical Research, 1982, 87, 3519-3529.	3.3	138
114	The ionotail of Venus: Its configuration and evidence for ion escape. Journal of Geophysical Research, 1987, 92, 15-26.	3.3	138
115	Morphology of the ring current derived from magnetic field observations. Annales Geophysicae, 2004, 22, 1267-1295.	0.6	137
116	Mirror instability in the magnetosphere of comet Halley. Geophysical Research Letters, 1987, 14, 644-647.	1.5	136
117	The Solar Orbiter magnetometer. Astronomy and Astrophysics, 2020, 642, A9.	2.1	136
118	Cratering on Ceres: Implications for its crust and evolution. Science, 2016, 353, .	6.0	135
119	The magnetic barrier at Venus. Journal of Geophysical Research, 1991, 96, 11145-11153.	3.3	134
120	The average magnetic field draping and consistent plasma properties of the Venus magnetotail. Journal of Geophysical Research, 1986, 91, 7939-7953.	3.3	133
121	Ionospheric mass ejection in response to a CME. Geophysical Research Letters, 1999, 26, 2339-2342.	1.5	133
122	Titan's Magnetic Field Signature During the First Cassini Encounter. Science, 2005, 308, 992-995.	6.0	133
123	Modeling the size and shape of Saturn's magnetopause with variable dynamic pressure. Journal of Geophysical Research, 2006, 111, .	3.3	133
124	The Galileo magnetic field investigation. Space Science Reviews, 1992, 60, 357.	3.7	130
125	Factors controlling degree of correlation between ISEE 1 and ISEE 3 interplanetary magnetic field measurements. Journal of Geophysical Research, 1982, 87, 2224-2230.	3.3	129
126	Structure and properties of the subsolar magnetopause for northward IMF: ISEE observations. Journal of Geophysical Research, 1990, 95, 6375-6387.	3.3	129

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127	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	3.7	129
128	Proxy studies of energy transfer to the magnetosphere. Journal of Geophysical Research, 1991, 96, 9541-9548.	3.3	128
129	How unprecedented a solar minimum?. Reviews of Geophysics, 2010, 48, .	9.0	128
130	Comparing Solar Minimum 23/24 with Historical Solar Wind Records at 1 AU. Solar Physics, 2011, 274, 321-344.	1.0	128
131	Detection of local H ₂ O exposed at the surface of Ceres. Science, 2016, 353, .	6.0	128
132	Characteristics of the Marslike limit of the Venusâ€solar wind interaction. Journal of Geophysical Research, 1987, 92, 8545-8557.	3.3	126
133	Multispacecraft modeling of the flux rope structure of interplanetary coronal mass ejections: Cylindrically symmetric versus nonsymmetric topologies. Journal of Geophysical Research, 2001, 106, 10581-10596.	3.3	126
134	ION CYCLOTRON WAVES IN THE SOLAR WIND OBSERVED BY STEREO NEAR 1 AU. Astrophysical Journal, 2009, 701, L105-L109.	1.6	126
135	Upstream waves at Mars: Phobos observations. Geophysical Research Letters, 1990, 17, 897-900.	1.5	125
136	Dawn Mission to Vesta and Ceres. Earth, Moon and Planets, 2007, 101, 65-91.	0.3	125
137	THEMIS Ground-Based Magnetometers. Space Science Reviews, 2008, 141, 389-412.	3.7	125
138	THE VERY UNUSUAL INTERPLANETARY CORONAL MASS EJECTION OF 2012 JULY 23: A BLAST WAVE MEDIATED BY SOLAR ENERGETIC PARTICLES. Astrophysical Journal, 2013, 770, 38.	1.6	123
139	Evidence for the tailward retreat of a magnetic neutral line in the magnetotail during substorm recovery. Geophysical Research Letters, 1981, 8, 261-264.	1.5	120
140	Electron Heating Within the Earth's Bow Shock. Physical Review Letters, 1982, 49, 199-201.	2.9	120
141	Distinctive space weathering on Vesta from regolith mixing processes. Nature, 2012, 491, 79-82.	13.7	120
142	The distribution of reconnection geometry in flux transfer events using energetic ion, plasma and magnetic data. Journal of Geophysical Research, 1984, 89, 3843-3854.	3.3	118
143	Global configuration of a magnetic cloud. Geophysical Monograph Series, 1990, , 373-377.	0.1	118
144	Composition and structure of the shallow subsurface of Ceres revealed by craterÂmorphology. Nature Geoscience, 2016, 9, 538-542.	5.4	118

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145	Photometric analysis of 1 Ceres and surface mapping from HST observations. Icarus, 2006, 182, 143-160.	1.1	117
146	DETECTION OF WIDESPREAD HYDRATED MATERIALS ON VESTA BY THE VIR IMAGING SPECTROMETER ON BOARD THE DAWN MISSION. Astrophysical Journal Letters, 2012, 758, L36.	3.0	117
147	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.	1.5	117
148	The interior structure of Ceres as revealed by surface topography. Earth and Planetary Science Letters, 2017, 476, 153-164.	1.8	117
149	Sublimation in bright spots on (1) Ceres. Nature, 2015, 528, 237-240.	13.7	116
150	Pioneer Venus Orbiter Fluxgate Magnetometer. IEEE Transactions on Geoscience and Remote Sensing, 1980, GE-18, 32-35.	2.7	115
151	Evidence of a Global Magma Ocean in Ioâ€™s Interior. Science, 2011, 332, 1186-1189.	6.0	115
152	Solar and interplanetary control of the location of the Venus bow shock. Journal of Geophysical Research, 1988, 93, 5461-5469.	3.3	114
153	A regular period for Saturn's magnetic field that may track its internal rotation. Nature, 2006, 441, 62-64.	13.7	113
154	High-velocity collisions from the lunar cataclysm recorded in asteroidal meteorites. Nature Geoscience, 2013, 6, 303-307.	5.4	113
155	The magnetotail of Mars: Phobos observations. Geophysical Research Letters, 1990, 17, 885-888.	1.5	111
156	A test of Lee's quasiâ€linear theory of ion acceleration by interplanetary traveling shocks. Journal of Geophysical Research, 1986, 91, 11917-11928.	3.3	109
157	Magnetic Reconnection in the Near Venusian Magnetotail. Science, 2012, 336, 567-570.	6.0	109
158	The geomorphology of Ceres. Science, 2016, 353, .	6.0	109
159	Cassini observations of the variation of Saturn's ring current parameters with system size. Journal of Geophysical Research, 2007, 112, .	3.3	108
160	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. Journal of Geophysical Research: Space Physics, 2017, 122, 517-533.	0.8	108
161	Saturnâ€™s magnetic field revealed by the Cassini Grand Finale. Science, 2018, 362, .	6.0	108
162	Magnetic field rotation through the magnetopause: ISEE 1 and 2 observations. Journal of Geophysical Research, 1982, 87, 8139-8148.	3.3	107

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163	Magnetic flux ropes in the Venus ionosphere: Observations and models. Journal of Geophysical Research, 1983, 88, 58-72.	3.3	107
164	A stateâ€ofâ€theâ€art picture of substormâ€associated evolution of the nearâ€Earth magnetotail obtained from superposed epoch analysis. Journal of Geophysical Research, 2009, 114, .	3.3	107
165	Correlation of AlfvÃ©n wave Poynting flux in the plasma sheet at 4â€“7REwith ionospheric electron energy flux. Journal of Geophysical Research, 2002, 107, SMP 24-1.	3.3	105
166	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvinâ€Helmholtz waves. Geophysical Research Letters, 2016, 43, 5606-5615.	1.5	104
167	InSight Auxiliary Payload Sensor Suite (APSS). Space Science Reviews, 2019, 215, 1.	3.7	104
168	Structure of the quasi-perpendicular laminar bow shock. Journal of Geophysical Research, 1975, 80, 502-514.	3.3	103
169	On the origin of hot diamagnetic cavities near the Earth's bow shock. Journal of Geophysical Research, 1988, 93, 11311-11325.	3.3	103
170	Identification of low-frequency fluctuations in the terrestrial magnetosheath. Journal of Geophysical Research, 1994, 99, 6011.	3.3	103
171	HYDRODYNAMIC AND MHD EQUATIONS ACROSS THE BOW SHOCK AND ALONG THE SURFACES OF PLANETARY OBSTACLES. Space Science Reviews, 1997, 79, 757-791.	3.7	103
172	Observations of large scale steady magnetic fields in the dayside Venus ionosphere. Geophysical Research Letters, 1980, 7, 917-920.	1.5	102
173	Fieldâ€aligned currents in the Earth's magnetotail. Journal of Geophysical Research, 1981, 86, 687-700.	3.3	102
174	On the sources of interplanetary shocks at 0.72 AU. Journal of Geophysical Research, 1994, 99, 11.	3.3	102
175	The importance of plasma Î² conditions for magnetic reconnection at Saturn's magnetopause. Geophysical Research Letters, 2012, 39, .	1.5	102
176	Localized Reconnection in the Near Jovian Magnetotail. Science, 1998, 280, 1061-1064.	6.0	101
177	Dawn: A journey in space and time. Planetary and Space Science, 2004, 52, 465-489.	0.9	100
178	Cold ion beams in the low latitude boundary layer during accelerated flow events. Geophysical Research Letters, 1990, 17, 2245-2248.	1.5	99
179	Observations of two types of Pc 1-2 pulsations in the outer dayside magnetosphere. Journal of Geophysical Research, 2002, 107, SMP 20-1-SMP 20-20.	3.3	99
180	Lightning on Venus inferred from whistler-mode waves in the ionosphere. Nature, 2007, 450, 661-662.	13.7	99

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181	MMS observations of electronâ€scale filamentary currents in the reconnection exhaust and near the X line. Geophysical Research Letters, 2016, 43, 6060-6069.	1.5	99
182	Outer magnetosphere near midnight at quiet and disturbed times. Journal of Geophysical Research, 1972, 77, 5487-5502.	3.3	98
183	Overshoots in planetary bow shocks. Nature, 1982, 296, 45-48.	13.7	98
184	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.	1.1	98
185	Ogo 5 observations of Pc 5 waves: Particle flux modulations. Journal of Geophysical Research, 1977, 82, 2774-2786.	3.3	97
186	Observations of the density profile in the magnetosheath near the stagnation streamline. Geophysical Research Letters, 1990, 17, 2035-2038.	1.5	96
187	Global hybrid simulations: Foreshock waves and cavitons under radial interplanetary magnetic field geometry. Journal of Geophysical Research, 2009, 114, .	3.3	96
188	The effect of solar wind dynamic pressure changes on low and midâ€latitude magnetic records. Geophysical Research Letters, 1992, 19, 1227-1230.	1.5	95
189	Ionâ€scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. Geophysical Research Letters, 2016, 43, 4716-4724.	1.5	95
190	Lightning on Venus: Orbiter detection of whistler signals. Journal of Geophysical Research, 1980, 85, 8158-8166.	3.3	94
191	Europa's Magnetic Signature: Report from Galileo's Pass on 19December 1996. Science, 1997, 276, 1239-1241.	6.0	93
192	Strong rapid dipolarizations in Saturn's magnetotail: In situ evidence of reconnection. Geophysical Research Letters, 2007, 34, .	1.5	93
193	Suprathermal electrons at Earth's bow shock. Journal of Geophysical Research, 1989, 94, 10011-10025.	3.3	92
194	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. Geophysical Research Letters, 2016, 43, 5969-5978.	1.5	92
195	Initial ISEE magnetometer results: Shock observation. Space Science Reviews, 1979, 23, 3.	3.7	91
196	Characteristics of the ULF waves associated with upstream ion beams. Journal of Geophysical Research, 1982, 87, 643-650.	3.3	91
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