Don Gurnett

List of Publications by Year
in descending order

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406 papers	20,817 citations	10389 72 h-index	18130 120 g-index
416 all docs	416 docs citations	416 times ranked	4910 citing authors

#	Article	IF	Citations
1	The Earth as a radio source: Terrestrial kilometric radiation. Journal of Geophysical Research, 1974, 79, 4227-4238.	3.3	512
2	The Cassini Radio and Plasma Wave Investigation. Space Science Reviews, 2004, 114, 395-463.	8.1	455
3	A search for life on Earth from the Galileo spacecraft. Nature, 1993, 365, 715-721.	27.8	408
4	Spatio-temporal structure of storm-time chorus. Journal of Geophysical Research, 2003, 108, .	3.3	363
5	Multiâ€instrument analysis of electron populations in Saturn's magnetosphere. Journal of Geophysical Research, 2008, 113, .	3.3	342
6	Subsurface Radar Sounding of the South Polar Layered Deposits of Mars. Science, 2007, 316, 92-95.	12.6	330
7	Radar Soundings of the Subsurface of Mars. Science, 2005, 310, 1925-1928.	12.6	327
8	In Situ Observations of Interstellar Plasma with Voyager 1. Science, 2013, 341, 1489-1492.	12.6	276
9	Radar Soundings of the Ionosphere of Mars. Science, 2005, 310, 1929-1933.	12.6	237
10	Radio and Plasma Wave Observations at Saturn from Cassini's Approach and First Orbit. Science, 2005, 307, 1255-1259.	12.6	236
11	A region of intense plasma wave turbulence on auroral field lines. Journal of Geophysical Research, 1977, 82, 1031-1050.	3.3	235
12	Auroral hiss, Z mode radiation, and auroral kilometric radiation in the polar magnetosphere: DE 1 observations. Journal of Geophysical Research, 1983, 88, 329-340.	3.3	231
13	The Variable Rotation Period of the Inner Region of Saturn's Plasma Disk. Science, 2007, 316, 442-445.	12.6	223
14	Radio Emission from the Heliopause Triggered by an Interplanetary Shock. Science, 1993, 262, 199-203.	12.6	218
15	Chorus source locations from VLF Poynting flux measurements with the Polar spacecraft. Geophysical Research Letters, 1998, 25, 4063-4066.	4.0	216
16	VLF hiss and related plasma observations in the polar magnetosphere. Journal of Geophysical Research, 1972, 77, 172-190.	3.3	214
17	Jupiter Plasma Wave Observations: An Initial Voyager 1 Overview. Science, 1979, 204, 991-995.	12.6	208
18	Plasma waves associated with energetic particles streaming into the solar wind from the Earth's bow shock. Journal of Geophysical Research, 1981, 86, 4493-4510.	3.3	190

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19	Ion cyclotron whistlers. Journal of Geophysical Research, 1965, 70, 1665-1688.	3.3	184
20	Electromagnetic radiation trapped in the magnetosphere above the plasma frequency. Journal of Geophysical Research, 1973, 78, 8136-8149.	3.3	184
21	Cassini Measurements of Cold Plasma in the Ionosphere of Titan. Science, 2005, 308, 986-989.	12.6	178
22	The Interaction of the Atmosphere of Enceladus with Saturn's Plasma. Science, 2006, 311, 1409-1412.	12.6	176
23	Plasma wave turbulence at the magnetopause: Observations from ISEE 1 and 2. Journal of Geophysical Research, 1979, 84, 7043-7058.	3.3	175
24	Detection of a radio emission at 3 kHz in the outer heliosphere. Nature, 1984, 312, 27-31.	27.8	172
25	Control of Jupiter's radio emission and aurorae by the solar wind. Nature, 2002, 415, 985-987.	27.8	171
26	Direction-finding measurements of auroral kilometric radiation. Journal of Geophysical Research, 1975, 80, 2764-2770.	3.3	169
27	Electron density depletions in the nightside auroral zone. Journal of Geophysical Research, 1988, 93, 1871-1895.	3.3	168
28	Plasma Waves Near Saturn: Initial Results from Voyager 1. Science, 1981, 212, 235-239.	12.6	166
29	Evidence for a magnetosphere at Ganymede from plasma-wave observations by the Galileo spacecraft. Nature, 1996, 384, 535-537.	27.8	152
30	A satellite study of VLF hiss. Journal of Geophysical Research, 1966, 71, 5599-5615.	3.3	150
31	An update to a Saturnian longitude system based on kilometric radio emissions. Journal of Geophysical Research, 2008, 113, .	3.3	148
32	The Polar plasma wave instrument. Space Science Reviews, 1995, 71, 597-622.	8.1	147
33	Discovery of a northâ€ssouth asymmetry in Saturn's radio rotation period. Geophysical Research Letters, 2009, 36, .	4.0	143
34	High-latitude geophysical studies with satellite Injun 3: 5. Very-low-frequency electromagnetic radiation. Journal of Geophysical Research, 1964, 69, 65-89.	3.3	138
35	Whistlers observed by Voyager 1: Detection of lightning on Jupiter. Geophysical Research Letters, 1979, 6, 511-514.	4.0	137
36	A microscopic and nanoscopic view of storm-time chorus on 31 March 2001. Geophysical Research Letters, 2004, 31, .	4.0	136

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37	The Mars express MARSIS sounder instrument. Planetary and Space Science, 2009, 57, 1975-1986.	1.7	134
38	Spatiotemporal variability and propagation of equatorial noise observed by Cluster. Journal of Geophysical Research, 2002, 107, SMP 43-1-SMP 43-8.	3.3	133
39	Variation of the Martian ionospheric electron density from Mars Express radar soundings. Journal of Geophysical Research, 2008, 113, .	3.3	131
40	Oblique propagation of whistler mode waves in the chorus source region. Journal of Geophysical Research, 2009, 114, .	3.3	129
41	Source characteristics of ELF/VLF chorus. Journal of Geophysical Research, 2002, 107, SMP 10-1-SMP 10-17.	3.3	128
42	Electrostatic noise bands associated with the electron gyrofrequency and plasma frequency in the outer magnetosphere. Journal of Geophysical Research, 1975, 80, 4259-4271.	3.3	121
43	Microburst phenomena: 3. An association between microbursts and VLF chorus. Journal of Geophysical Research, 1968, 73, 2355-2362.	3.3	119
44	A Saturnian longitude system based on a variable kilometric radiation period. Geophysical Research Letters, 2007, 34, .	4.0	117
45	A giant thunderstorm on Saturn. Nature, 2011, 475, 75-77.	27.8	116
46	Voyager 2 Plasma Wave Observations at Saturn. Science, 1982, 215, 587-594.	12.6	115
47	Transverse dimensions of chorus in the source region. Geophysical Research Letters, 2003, 30, .	4.0	114
48	First Plasma Wave Observations at Uranus. Science, 1986, 233, 106-109.	12.6	111
49	Correlation of auroral hiss and upward electron beams near the polar cusp. Journal of Geophysical Research, 1984, 89, 925-935.	3.3	109
50	Galileo evidence for rapid interchange transport in the Io torus. Geophysical Research Letters, 1997, 24, 2131-2134.	4.0	109
51	Polar cap electron densities from DE 1 plasma wave observations. Journal of Geophysical Research, 1983, 88, 10123-10136.	3.3	106
52	Propagation of whistler mode chorus to low altitudes: Spacecraft observations of structured ELF hiss. Journal of Geophysical Research, 2006, 111, .	3.3	106
53	Plasma waves in the dayside polar cap boundary layer: Bipolar and monopolar electric pulses and whistler mode waves. Geophysical Research Letters, 1998, 25, 4117-4120.	4.0	99
54	The ISEE-1 and ISEE-2 Plasma Wave Investigation. , 1978, 16, 225-230.		98

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55	Saturn kilometric radiation: Average and statistical properties. Journal of Geophysical Research, 2008, 113, .	3.3	98
56	Electron densities in the upper ionosphere of Mars from the excitation of electron plasma oscillations. Journal of Geophysical Research, 2008, 113, .	3.3	97
57	On the polarization and origin of auroral kilometric radiation. Journal of Geophysical Research, 1978, 83, 689-696.	3.3	95
58	Survey of Poynting flux of whistler mode chorus in the outer zone. Journal of Geophysical Research, 2010, 115, .	3.3	94
59	First Plasma Wave Observations at Neptune. Science, 1989, 246, 1494-1498.	12.6	91
60	Whistlers in Neptune's magnetosphere: Evidence of atmospheric lightning. Journal of Geophysical Research, 1990, 95, 20967-20976.	3.3	91
61	Micron-sized dust particles detected in the outer solar system by the Voyager 1 and 2 plasma wave instruments. Geophysical Research Letters, 1997, 24, 3125-3128.	4.0	91
62	Magnetically controlled structures in the ionosphere of Mars. Journal of Geophysical Research, 2006, 111, .	3.3	90
63	Dusty plasma in the vicinity of Enceladus. Journal of Geophysical Research, 2011, 116, .	3.3	89
64	Initial observations of VLF electric and magnetic fields with the Injun 5 satellite. Journal of Geophysical Research, 1969, 74, 4631-4648.	3.3	88
65	VLF measurements of the Poynting Flux along the geomagnetic field with the Injun 5 satellite. Journal of Geophysical Research, 1969, 74, 5675-5687.	3.3	88
66	A diffusive equilibrium model for the plasma density in Saturn's magnetosphere. Journal of Geophysical Research, 2009, 114, .	3.3	85
67	Gyro-resonant electron acceleration atÂJupiter. Nature Physics, 2008, 4, 301-304.	16.7	84
68	Plasma waves and instabilities. Geophysical Monograph Series, 1985, , 207-224.	0.1	82
69	THE WIDE-BAND PLASMA WAVE INVESTIGATION. Space Science Reviews, 1997, 79, 195-208.	8.1	82
70	Whistlerâ€mode radiation from the Spacelab 2 electron beam. Geophysical Research Letters, 1986, 13, 225-228.	4.0	81
71	Electrostatic waves in the Jovian magnetosphere. Geophysical Research Letters, 1980, 7, 57-60.	4.0	80
72	Magnetic component of narrowband ion cyclotron waves in the auroral zone. Journal of Geophysical Research, 2002, 107, SMP 17-1-SMP 17-14.	3.3	80

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73	Non-detection at Venus of high-frequency radio signals characteristic of terrestrial lightning. Nature, 2001, 409, 313-315.	27.8	79
74	Analysis of a giant lightning storm on Saturn. Icarus, 2007, 190, 528-544.	2.5	78
75	Short wavelength ion waves upstream of the Earth's bow shock. Journal of Geophysical Research, 1984, 89, 91-103.	3.3	76
76	Structure and dynamics of the solar wind/ionosphere interface on Mars: MEXâ€ASPERAâ€3 and MEXâ€MARSIS observations. Geophysical Research Letters, 2008, 35, .	4.0	74
77	Properties of Saturn kilometric radiation measured within its source region. Geophysical Research Letters, 2010, 37, .	4.0	74
78	The electron density of Saturn's magnetosphere. Annales Geophysicae, 2009, 27, 2971-2991.	1.6	73
79	Electron Plasma Oscillations Upstream of the Solar Wind Termination Shock. Science, 2005, 309, 2025-2027.	12.6	72
80	Lightning and Plasma Wave Observations from the Galileo Flyby of Venus. Science, 1991, 253, 1522-1525.	12.6	71
81	Nightside ionosphere of Mars: Radar soundings by the Mars Express spacecraft. Journal of Geophysical Research, 2010, 115, .	3.3	71
82	The Kilometric Radio Emission Spectrum: Relationship to Auroral Acceleration Processes. Geophysical Monograph Series, 2013, , 341-350.	0.1	71
83	Equatorial electron density measurements in Saturn's inner magnetosphere. Geophysical Research Letters, 2005, 32, .	4.0	69
84	Plasma waves in planetary magnetospheres. Journal of Geophysical Research, 1991, 96, 18977-18991.	3.3	68
85	PRECURSORS TO INTERSTELLAR SHOCKS OF SOLAR ORIGIN. Astrophysical Journal, 2015, 809, 121.	4.5	68
86	An analysis of whistler mode radiation from the Spacelab 2 electron beam. Journal of Geophysical Research, 1988, 93, 153-161.	3.3	67
87	Enhanced whistler-mode emissions: Signatures of interchange motion in the Io torus. Geophysical Research Letters, 1997, 24, 2123-2126.	4.0	67
88	The inner magnetosphere of Saturn: Cassini RPWS cold plasma results from the first encounter. Geophysical Research Letters, 2005, 32, .	4.0	67
89	Propagation analysis of plasmaspheric hiss using Polar PWI measurements. Geophysical Research Letters, 2001, 28, 1127-1130.	4.0	66
90	Dayside ionosphere of Mars: Empirical model based on data from the MARSIS instrument. Journal of Geophysical Research, 2011, 116, .	3.3	66

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91	Cassini observations of the thermal plasma in the vicinity of Saturn's main rings and the F and G rings. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	65
92	The reversal of the rotational modulation rates of the north and south components of Saturn kilometric radiation near equinox. Geophysical Research Letters, 2010, 37, .	4.0	65
93	Three-dimensional Features of the Outer Heliosphere Due to Coupling between the Interstellar and Heliospheric Magnetic Field. V. The Bow Wave, Heliospheric Boundary Layer, Instabilities, and Magnetic Reconnection. Astrophysical Journal, 2017, 845, 9.	4.5	65
94	EVIDENCE FOR A SHOCK IN INTERSTELLAR PLASMA: VOYAGER 1. Astrophysical Journal Letters, 2013, 778, L3.	8.3	64
95	Plasma densities near and beyond the heliopause from the Voyager 1 and 2 plasma wave instruments. Nature Astronomy, 2019, 3, 1024-1028.	10.1	63
96	A simple scale height model of the electron density in Saturn's plasma disk. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	62
97	Narrowband electromagnetic emissions from Saturn's magnetosphere. Nature, 1981, 292, 733-737.	27.8	61
98	A northâ€ssouth difference in the rotation rate of auroral hiss at Saturn: Comparison to Saturn's kilometric radio emission. Geophysical Research Letters, 2009, 36, .	4.0	61
99	Ionospheric storms on Mars: Impact of the corotating interaction region. Geophysical Research Letters, 2009, 36, .	4.0	61
100	First results from the Cluster wideband plasma wave investigation. Annales Geophysicae, 2001, 19, 1259-1272.	1.6	60
101	Observations of chorus at Saturn using the Cassini Radio and Plasma Wave Science instrument. Journal of Geophysical Research, 2008, 113, .	3.3	60
102	Saturn's inner magnetospheric convection pattern: Further evidence. Journal of Geophysical Research, 2012, 117, .	3.3	60
103	Micronâ€sized particle impacts detected near Uranus by the Voyager 2 Plasma Wave Instrument. Journal of Geophysical Research, 1987, 92, 14959-14968.	3.3	59
104	Steep, transient density gradients in the Martian ionosphere similar to the ionopause at Venus. Journal of Geophysical Research, 2009, 114, .	3.3	59
105	On the source location of low-frequency heliospheric radio emissions. Journal of Geophysical Research, 2003, 108, .	3.3	58
106	Saturn lightning recorded by Cassini/RPWS in 2004. Icarus, 2006, 183, 135-152.	2.5	57
107	Transient layers in the topside ionosphere of Mars. Geophysical Research Letters, 2008, 35, .	4.0	57
108	An Ion Gyrofrequency Phenomenon observed in Satellites. Nature, 1964, 204, 274-275.	27.8	56

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109	Influence of negatively charged plume grains on the structure of Enceladus' AlfvÃ©n wings: Hybrid simulations versus Cassini Magnetometer data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
110	Jupiter tail phenomena upstream from Saturn. Nature, 1981, 292, 585-586.	27.8	55
111	Longâ€period dynamic spectrograms of lowâ€frequency interplanetary radio emissions. Geophysical Research Letters, 1987, 14, 49-52.	4.0	55
112	Intense plasma waves at and near the solar wind termination shock. Nature, 2008, 454, 78-80.	27.8	54
113	Plasma environment of Mars as observed by simultaneous MEXâ€ASPERAâ€3 and MEXâ€MARSIS observations. Journal of Geophysical Research, 2008, 113, .	3.3	54
114	Observed beaming of terrestrial myriametric radiation. Nature, 1987, 328, 391-395.	27.8	53
115	Coherent Cerenkov radiation from the Spacelab 2 electron beam. Journal of Geophysical Research, 1989, 94, 443-452.	3.3	52
116	Prevalent lightning sferics at 600 megahertz near Jupiterâ€™s poles. Nature, 2018, 558, 87-90.	27.8	52
117	Analysis of plasma waves observed within local plasma injections seen in Saturn's magnetosphere. Journal of Geophysical Research, 2008, 113, .	3.3	51
118	Waveâ€particle interactions in the equatorial source region of whistlerâ€mode emissions. Journal of Geophysical Research, 2010, 115, .	3.3	51
119	Solar control of radar wave absorption by the Martian ionosphere. Geophysical Research Letters, 2006, 33, .	4.0	50
120	Areas of enhanced ionization in the deep nightside ionosphere of Mars. Journal of Geophysical Research, 2011, 116, .	3.3	50
121	Dust particles detected near Giacobiniâ€Zinner by the ICE Plasma Wave Instrument. Geophysical Research Letters, 1986, 13, 291-294.	4.0	49
122	Magnetic signatures of plasmaâ€depleted flux tubes in the Saturnian inner magnetosphere. Geophysical Research Letters, 2007, 34, .	4.0	49
123	Detecting nanoparticles at radio frequencies: Jovian dust stream impacts on Cassini/RPWS. Geophysical Research Letters, 2009, 36, .	4.0	49
124	Emission and propagation of Saturn kilometric radiation: Magnetoionic modes, beaming pattern, and polarization state. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	49
125	Chorus, ECH, and Z mode emissions observed at Jupiter and Saturn and possible electron acceleration. Journal of Geophysical Research, 2012, 117, .	3.3	49
126	Observations of the relationship between frequency sweep rates of chorus wave packets and plasma density. Journal of Geophysical Research, 2010, 115, .	3.3	48

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127	Plasma wave observations near the plasmapause with the SÂ³-A satellite. Journal of Geophysical Research, 1973, 78, 4756-4764.	3.3	47
128	Observations of Vertical Reflections from the Topside Martian Ionosphere. Space Science Reviews, 2007, 126, 373-388.	8.1	47
129	Narrowband electromagnetic emissions from Jupiter's magnetosphere. Nature, 1983, 302, 385-388.	27.8	46
130	On the width-amplitude inequality of electron phase space holes. Journal of Geophysical Research, 2005, 110, .	3.3	46
131	Beat-type Langmuir wave emissions associated with a type III solar radio burst: Evidence of parametric decay. Geophysical Research Letters, 1995, 22, 1161-1164.	4.0	45
132	Propagation of unducted whistlers from their source lightning: A case study. Journal of Geophysical Research, 2009, 114, .	3.3	45
133	Control of the topside Martian ionosphere by crustal magnetic fields. Journal of Geophysical Research: Space Physics, 2015, 120, 3042-3058.	2.4	45
134	The dusk flank of Jupiter's magnetosphere. Nature, 2002, 415, 991-994.	27.8	44
135	Atmospheric Electricity at Saturn. Space Science Reviews, 2008, 137, 271-285.	8.1	44
136	Plasma waves associated with the AMPTE artificial comet. Geophysical Research Letters, 1985, 12, 851-854.	4.0	43
137	An SLS4 Longitude System Based on a Tracking Filter Analysis of the Rotational Modulation of Saturn Kilometric Radiation. , 0, , .		43
138	Fractional concentration of hydrogen ions in the ionosphere from VLF proton whistler measurement. Journal of Geophysical Research, 1966, 71, 47-59.	3.3	42
139	Radio emissions from the outer heliosphere. Space Science Reviews, 1996, 78, 53-66.	8.1	42
140	Electron density dropout near Enceladus in the context of waterâ€vapor and waterâ€ice. Geophysical Research Letters, 2009, 36, .	4.0	42
141	Nightside ionosphere of Mars studied with local electron densities: A general overview and electron density depressions. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	42
142	Auroral hiss observed near the Io plasma torus. Nature, 1979, 280, 767-770.	27.8	41
143	Observation of similar radio signatures at Saturn and Jupiter: Implications for the magnetospheric dynamics. Geophysical Research Letters, 2007, 34, .	4.0	41
144	The plasma density distribution in the inner region of Saturn's magnetosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 2970-2974.	2.4	41

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145	Effects of a strong ICME on the Martian ionosphere as detected by Mars Express and Mars Odyssey. Journal of Geophysical Research: Space Physics, 2014, 119, 5891-5908.	2.4	41
146	Oblique reflections in the Mars Express MARSIS data set: Stable density structures in the Martian ionosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 3944-3960.	2.4	41
147	Micronâ€sized particles detected near Neptune by the Voyager 2 plasma wave instrument. Journal of Geophysical Research, 1991, 96, 19177-19186.	3.3	40
148	Fine structure of Langmuir waves observed upstream of the bow shock at Venus. Journal of Geophysical Research, 1994, 99, 13363.	3.3	40
149	Properties of dust particles near Saturn inferred from voltage pulses induced by dust impacts on Cassini spacecraft. Journal of Geophysical Research: Space Physics, 2014, 119, 6294-6312.	2.4	40
150	In situ measurements of Saturnâ€™s ionosphere show that it is dynamic and interacts with the rings. Science, 2018, 359, 66-68.	12.6	40
151	The January 10, 1997 auroral hot spot, horseshoe aurora and first substorm: A CME loop?. Geophysical Research Letters, 1998, 25, 3047-3050.	4.0	39
152	Propagation of auroral hiss at high altitudes. Geophysical Research Letters, 2002, 29, 119-1-119-4.	4.0	39
153	In-flight calibration of the Cassini-Radio and Plasma Wave Science (RPWS) antenna system for direction-finding and polarization measurements. Journal of Geophysical Research, 2004, 109, .	3.3	39
154	Cassini UVIS observations of Jupiter's auroral variability. Icarus, 2005, 178, 312-326.	2.5	39
155	Plasma environment in the wake of Titan from hybrid simulation: A case study. Geophysical Research Letters, 2007, 34, .	4.0	39
156	Ordering of injection events within Saturnian SLS longitude and local time. Journal of Geophysical Research: Space Physics, 2013, 118, 832-838.	2.4	39
157	Principles of space plasma wave instrument design. Geophysical Monograph Series, 1998, , 121-136.	0.1	39
158	Source locations of narrowband radio emissions detected at Saturn. Journal of Geophysical Research, 2009, 114, .	3.3	38
159	A plasmapauseâ€like density boundary at high latitudes in Saturn's magnetosphere. Geophysical Research Letters, 2010, 37, .	4.0	38
160	High-latitude geophysical studies with satellite Injun 3: 1. Description of the satellite. Journal of Geophysical Research, 1964, 69, 1-12.	3.3	37
161	The return of the heliospheric 2-3 kHz radio emission during solar cycle 23. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	37
162	A new semiempirical model of the peak electron density of the Martian ionosphere. Geophysical Research Letters, 2013, 40, 5361-5365.	4.0	37

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163	Chorus-related electrostatic bursts in the Earth's outer magnetosphere. Nature, 1982, 295, 46-48.	27.8	36
164	Elliptical polarization of Saturn kilometric Radiation observed from high latitudes. Journal of Geophysical Research, 2009, 114, .	3.3	36
165	Distances to the termination shock and heliopause from a simulation analysis of the 1992-93 heliospheric radio emission event. Geophysical Research Letters, 1995, 22, 651-654.	4.0	35
166	Chorus source properties that produce time shifts and frequency range differences observed on different Cluster spacecraft. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	35
167	Auroral electron distributions within and close to the Saturn kilometric radiation source region. Journal of Geophysical Research, 2011, 116, .	3.3	35
168	A new view of Jupiter's auroral radio spectrum. Geophysical Research Letters, 2017, 44, 7114-7121.	4.0	35
169	Analysis of electromagnetic wave direction finding performed by spaceborne antennas using singular-value decomposition techniques. Radio Science, 1995, 30, 1699-1712.	1.6	34
170	Electrostatic solitary waves observed at Saturn by Cassini inside 10 R_s and near Enceladus. Journal of Geophysical Research: Space Physics, 2015, 120, 6569-6580.	2.4	34
171	Waveâ€Particle Interactions Associated With Io's Auroral Footprint: Evidence of AlfvÃ©n, Ion Cyclotron, and Whistler Modes. Geophysical Research Letters, 2020, 47, e2020GL088432.	4.0	34
172	Pitchâ€angle diffusion by whistler mode waves near the Io plasma torus. Geophysical Research Letters, 1979, 6, 653-656.	4.0	33
173	A revised analysis of micron-sized particles detected near Saturn by the Voyager 2 plasma wave instrument. Journal of Geophysical Research, 1994, 99, 2261.	3.3	33
174	Plasma densities in the vicinity of Callisto from Galileo plasma wave observations. Geophysical Research Letters, 2000, 27, 1867-1870.	4.0	33
175	Vertical sheets of dense plasma in the topside Martian ionosphere. Journal of Geophysical Research, 2007, 112, .	3.3	33
176	CMI growth rates for Saturnian kilometric radiation. Geophysical Research Letters, 2010, 37, .	4.0	33
177	New observations of the low frequency interplanetary radio emissions. Geophysical Research Letters, 1991, 18, 1801-1804.	4.0	32
178	Ganymede: A new radio source. Geophysical Research Letters, 1997, 24, 2167-2170.	4.0	32
179	Electrostatic solitary structures associated with the November 10, 2003, interplanetary shock at 8.7 AU. Geophysical Research Letters, 2005, 32, .	4.0	32
180	First whistler observed in the magnetosphere of Saturn. Geophysical Research Letters, 2006, 33, .	4.0	32

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181	Intense plasma wave emissions associated with Saturn's moon Rhea. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	32
182	Total electron content in the Martian atmosphere: A critical assessment of the Mars Express MARSIS data sets. Journal of Geophysical Research: Space Physics, 2015, 120, 2166-2182.	2.4	32
183	Whistler-mode excitation and electron scattering during an interchange event near Io. Geophysical Research Letters, 2003, 30, .	4.0	31
184	Cluster measurements of rapidly moving sources of ELF/VLF chorus. Journal of Geophysical Research, 2004, 109, .	3.3	31
185	Striated auroral kilometric radiation emission: A remote tracer of ion solitary structures. Journal of Geophysical Research, 2006, 111, .	3.3	31
186	Electron beams as the source of whistlerâ€mode auroral hiss at Saturn. Geophysical Research Letters, 2010, 37, .	4.0	31
187	Cassini multiâ€instrument assessment of Saturn's polar cap boundary. Journal of Geophysical Research: Space Physics, 2014, 119, 8161-8177.	2.4	31
188	Empirical model of the Martian dayside ionosphere: Effects of crustal magnetic fields and solar ionizing flux at higher altitudes. Journal of Geophysical Research: Space Physics, 2016, 121, 1760-1771.	2.4	31
189	Galileo plasma wave observations near Europa. Geophysical Research Letters, 1998, 25, 237-240.	4.0	30
190	Is the Martian water table hidden from radar view?. Geophysical Research Letters, 2009, 36, .	4.0	30
191	Z mode waves as the source of Saturn narrowband radio emissions. Journal of Geophysical Research, 2010, 115, .	3.3	30
192	Color spectrograms of very-low-frequency Poynting flux data. Journal of Geophysical Research, 1971, 76, 3022-3033.	3.3	29
193	Simultaneous observations of Jovian quasi-periodic radio emissions by the Galileo and Cassini spacecraft. Journal of Geophysical Research, 2004, 109, .	3.3	29
194	Formation of VLF chorus frequency spectrum: Cluster data and comparison with the backward wave oscillator model. Geophysical Research Letters, 2007, 34, .	4.0	29
195	Control of Saturn's kilometric radiation by Dione. Nature, 1981, 292, 742-745.	27.8	28
196	An Upper Bound to the Lightning Flash Rate in Jupiter's Atmosphere. Science, 1981, 213, 684-685.	12.6	28
197	Plasma wave turbulence around the shuttle: Results from the Spacelabâ€2 flight. Geophysical Research Letters, 1988, 15, 760-763.	4.0	28
198	Plasma waves associated with the first AMPTE magnetotail barium release. Geophysical Research Letters, 1986, 13, 644-647.	4.0	27

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199	Plasma waves in Jupiter's highâ€latitude regions: Observations from the Juno spacecraft. Geophysical Research Letters, 2017, 44, 4447-4454.	4.0	27
200	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. Nature Astronomy, 2018, 2, 544-548.	10.1	27
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