

# Don Gurnett

## List of Publications by Year in descending order

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406  
papers

20,817  
citations

10351

72  
h-index

18075

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. <i>Journal of Geophysical Research</i> , 1974, 79, 4227-4238.	3.3	512
2	The Cassini Radio and Plasma Wave Investigation. <i>Space Science Reviews</i> , 2004, 114, 395-463.	3.7	455
3	A search for life on Earth from the Galileo spacecraft. <i>Nature</i> , 1993, 365, 715-721.	13.7	408
4	Spatio-temporal structure of storm-time chorus. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	363
5	Multi-instrument analysis of electron populations in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	342
6	Subsurface Radar Sounding of the South Polar Layered Deposits of Mars. <i>Science</i> , 2007, 316, 92-95.	6.0	330
7	Radar Soundings of the Subsurface of Mars. <i>Science</i> , 2005, 310, 1925-1928.	6.0	327
8	In Situ Observations of Interstellar Plasma with Voyager 1. <i>Science</i> , 2013, 341, 1489-1492.	6.0	276
9	Radar Soundings of the Ionosphere of Mars. <i>Science</i> , 2005, 310, 1929-1933.	6.0	237
10	Radio and Plasma Wave Observations at Saturn from Cassini's Approach and First Orbit. <i>Science</i> , 2005, 307, 1255-1259.	6.0	236
11	A region of intense plasma wave turbulence on auroral field lines. <i>Journal of Geophysical Research</i> , 1977, 82, 1031-1050.	3.3	235
12	Auroral hiss, <i>Z</i> mode radiation, and auroral kilometric radiation in the polar magnetosphere: DE 1 observations. <i>Journal of Geophysical Research</i> , 1983, 88, 329-340.	3.3	231
13	The Variable Rotation Period of the Inner Region of Saturn's Plasma Disk. <i>Science</i> , 2007, 316, 442-445.	6.0	223
14	Radio Emission from the Heliopause Triggered by an Interplanetary Shock. <i>Science</i> , 1993, 262, 199-203.	6.0	218
15	Chorus source locations from VLF Poynting flux measurements with the Polar spacecraft. <i>Geophysical Research Letters</i> , 1998, 25, 4063-4066.	1.5	216
16	VLF hiss and related plasma observations in the polar magnetosphere. <i>Journal of Geophysical Research</i> , 1972, 77, 172-190.	3.3	214
17	Jupiter Plasma Wave Observations: An Initial Voyager 1 Overview. <i>Science</i> , 1979, 204, 991-995.	6.0	208
18	Plasma waves associated with energetic particles streaming into the solar wind from the Earth's bow shock. <i>Journal of Geophysical Research</i> , 1981, 86, 4493-4510.	3.3	190

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19	Ion cyclotron whistlers. <i>Journal of Geophysical Research</i> , 1965, 70, 1665-1688.	3.3	184
20	Electromagnetic radiation trapped in the magnetosphere above the plasma frequency. <i>Journal of Geophysical Research</i> , 1973, 78, 8136-8149.	3.3	184
21	Cassini Measurements of Cold Plasma in the Ionosphere of Titan. <i>Science</i> , 2005, 308, 986-989.	6.0	178
22	The Interaction of the Atmosphere of Enceladus with Saturn's Plasma. <i>Science</i> , 2006, 311, 1409-1412.	6.0	176
23	Plasma wave turbulence at the magnetopause: Observations from ISEE 1 and 2. <i>Journal of Geophysical Research</i> , 1979, 84, 7043-7058.	3.3	175
24	Detection of a radio emission at 3 kHz in the outer heliosphere. <i>Nature</i> , 1984, 312, 27-31.	13.7	172
25	Control of Jupiter's radio emission and aurorae by the solar wind. <i>Nature</i> , 2002, 415, 985-987.	13.7	171
26	Direction-finding measurements of auroral kilometric radiation. <i>Journal of Geophysical Research</i> , 1975, 80, 2764-2770.	3.3	169
27	Electron density depletions in the nightside auroral zone. <i>Journal of Geophysical Research</i> , 1988, 93, 1871-1895.	3.3	168
28	Plasma Waves Near Saturn: Initial Results from Voyager 1. <i>Science</i> , 1981, 212, 235-239.	6.0	166
29	Evidence for a magnetosphere at Ganymede from plasma-wave observations by the Galileo spacecraft. <i>Nature</i> , 1996, 384, 535-537.	13.7	152
30	A satellite study of VLF hiss. <i>Journal of Geophysical Research</i> , 1966, 71, 5599-5615.	3.3	150
31	An update to a Saturnian longitude system based on kilometric radio emissions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	148
32	The Polar plasma wave instrument. <i>Space Science Reviews</i> , 1995, 71, 597-622.	3.7	147
33	Discovery of a north-south asymmetry in Saturn's radio rotation period. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	143
34	High-latitude geophysical studies with satellite Injun 3: 5. Very-low-frequency electromagnetic radiation. <i>Journal of Geophysical Research</i> , 1964, 69, 65-89.	3.3	138
35	Whistlers observed by Voyager 1: Detection of lightning on Jupiter. <i>Geophysical Research Letters</i> , 1979, 6, 511-514.	1.5	137
36	A microscopic and nanoscopic view of storm-time chorus on 31 March 2001. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	136

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37	The Mars express MARSIS sounder instrument. Planetary and Space Science, 2009, 57, 1975-1986.	0.9	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, .	1.5	117
45	A giant thunderstorm on Saturn. Nature, 2011, 475, 75-77.	13.7	116
46	Voyager 2 Plasma Wave Observations at Saturn. Science, 1982, 215, 587-594.	6.0	115
47	Transverse dimensions of chorus in the source region. Geophysical Research Letters, 2003, 30, .	1.5	114
48	First Plasma Wave Observations at Uranus. Science, 1986, 233, 106-109.	6.0	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.	1.5	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.	1.5	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.	6.0	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.	1.5	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 at Jupiter. Nature Physics, 2008, 4, 301-304.	6.5	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.	3.7	82
70	Whistler mode radiation from the Spacelab 2 electron beam. Geophysical Research Letters, 1986, 13, 225-228.	1.5	81
71	Electrostatic waves in the Jovian magnetosphere. Geophysical Research Letters, 1980, 7, 57-60.	1.5	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. <i>Nature</i> , 2001, 409, 313-315.	13.7	79
74	Analysis of a giant lightning storm on Saturn. <i>Icarus</i> , 2007, 190, 528-544.	1.1	78
75	Short wavelength ion waves upstream of the Earth's bow shock. <i>Journal of Geophysical Research</i> , 1984, 89, 91-103.	3.3	76
76	Structure and dynamics of the solar wind/ionosphere interface on Mars: MEXâ€œASPERAâ€œ and MEXâ€œMARSIS observations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	74
77	Properties of Saturn kilometric radiation measured within its source region. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	74
78	The electron density of Saturn's magnetosphere. <i>Annales Geophysicae</i> , 2009, 27, 2971-2991.	0.6	73
79	Electron Plasma Oscillations Upstream of the Solar Wind Termination Shock. <i>Science</i> , 2005, 309, 2025-2027.	6.0	72
80	Lightning and Plasma Wave Observations from the Galileo Flyby of Venus. <i>Science</i> , 1991, 253, 1522-1525.	6.0	71
81	Nightside ionosphere of Mars: Radar soundings by the Mars Express spacecraft. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	71
82	The Kilometric Radio Emission Spectrum: Relationship to Auroral Acceleration Processes. <i>Geophysical Monograph Series</i> , 2013, , 341-350.	0.1	71
83	Equatorial electron density measurements in Saturn's inner magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	69
84	Plasma waves in planetary magnetospheres. <i>Journal of Geophysical Research</i> , 1991, 96, 18977-18991.	3.3	68
85	PRECURSORS TO INTERSTELLAR SHOCKS OF SOLAR ORIGIN. <i>Astrophysical Journal</i> , 2015, 809, 121.	1.6	68
86	An analysis of whistler mode radiation from the Spacelab 2 electron beam. <i>Journal of Geophysical Research</i> , 1988, 93, 153-161.	3.3	67
87	Enhanced whistler-mode emissions: Signatures of interchange motion in the Io torus. <i>Geophysical Research Letters</i> , 1997, 24, 2123-2126.	1.5	67
88	The inner magnetosphere of Saturn: Cassini RPWS cold plasma results from the first encounter. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	67
89	Propagation analysis of plasmaspheric hiss using Polar PWI measurements. <i>Geophysical Research Letters</i> , 2001, 28, 1127-1130.	1.5	66
90	Dayside ionosphere of Mars: Empirical model based on data from the MARSIS instrument. <i>Journal of Geophysical Research</i> , 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. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	65
92	The reversal of the rotational modulation rates of the north and south components of Saturn kilometric radiation near equinox. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	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. <i>Astrophysical Journal</i> , 2017, 845, 9.	1.6	65
94	EVIDENCE FOR A SHOCK IN INTERSTELLAR PLASMA: <i>VOYAGER 1</i>. <i>Astrophysical Journal Letters</i> , 2013, 778, L3.	3.0	64
95	Plasma densities near and beyond the heliopause from the Voyager 1 and 2 plasma wave instruments. <i>Nature Astronomy</i> , 2019, 3, 1024-1028.	4.2	63
96	A simple scale height model of the electron density in Saturn's plasma disk. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	62
97	Narrowband electromagnetic emissions from Saturn's magnetosphere. <i>Nature</i> , 1981, 292, 733-737.	13.7	61
98	A northâ€south difference in the rotation rate of auroral hiss at Saturn: Comparison to Saturn's kilometric radio emission. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	61
99	Ionospheric storms on Mars: Impact of the corotating interaction region. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	61
100	First results from the Cluster wideband plasma wave investigation. <i>Annales Geophysicae</i> , 2001, 19, 1259-1272.	0.6	60
101	Observations of chorus at Saturn using the Cassini Radio and Plasma Wave Science instrument. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	60
102	Saturn's inner magnetospheric convection pattern: Further evidence. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	60
103	Micronâ€sized particle impacts detected near Uranus by the Voyager 2 Plasma Wave Instrument. <i>Journal of Geophysical Research</i> , 1987, 92, 14959-14968.	3.3	59
104	Steep, transient density gradients in the Martian ionosphere similar to the ionopause at Venus. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	59
105	On the source location of low-frequency heliospheric radio emissions. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	58
106	Saturn lightning recorded by Cassini/RPWS in 2004. <i>Icarus</i> , 2006, 183, 135-152.	1.1	57
107	Transient layers in the topside ionosphere of Mars. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	57
108	An Ion Gyrofrequency Phenomenon observed in Satellites. <i>Nature</i> , 1964, 204, 274-275.	13.7	56

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109	Influence of negatively charged plume grains on the structure of Enceladus' Alfvén wings: Hybrid simulations versus Cassini Magnetometer data. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	56
110	Jupiter tail phenomena upstream from Saturn. <i>Nature</i> , 1981, 292, 585-586.	13.7	55
111	Long-period dynamic spectrograms of low-frequency interplanetary radio emissions. <i>Geophysical Research Letters</i> , 1987, 14, 49-52.	1.5	55
112	Intense plasma waves at and near the solar wind termination shock. <i>Nature</i> , 2008, 454, 78-80.	13.7	54
113	Plasma environment of Mars as observed by simultaneous MEXASPERA and MEXMARSIS observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	54
114	Observed beaming of terrestrial myriametric radiation. <i>Nature</i> , 1987, 328, 391-395.	13.7	53
115	Coherent Cerenkov radiation from the Spacelab 2 electron beam. <i>Journal of Geophysical Research</i> , 1989, 94, 443-452.	3.3	52
116	Prevalent lightning sferics at 600 megahertz near Jupiter's poles. <i>Nature</i> , 2018, 558, 87-90.	13.7	52
117	Analysis of plasma waves observed within local plasma injections seen in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	51
118	Wave-particle interactions in the equatorial source region of whistler-mode emissions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51
119	Solar control of radar wave absorption by the Martian ionosphere. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	50
120	Areas of enhanced ionization in the deep nightside ionosphere of Mars. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	50
121	Dust particles detected near Giacobini-Zinner by the ICE Plasma Wave Instrument. <i>Geophysical Research Letters</i> , 1986, 13, 291-294.	1.5	49
122	Magnetic signatures of plasma-depleted flux tubes in the Saturnian inner magnetosphere. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	49
123	Detecting nanoparticles at radio frequencies: Jovian dust stream impacts on Cassini/RPWS. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	49
124	Emission and propagation of Saturn kilometric radiation: Magnetoionic modes, beaming pattern, and polarization state. <i>Journal of Geophysical Research</i> , 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. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
126	Observations of the relationship between frequency sweep rates of chorus wave packets and plasma density. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	48



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127	Plasma wave observations near the plasmopause with the SÅ <sup>3</sup> -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.	3.7	47
129	Narrowband electromagnetic emissions from Jupiter's magnetosphere. Nature, 1983, 302, 385-388.	13.7	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.	1.5	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.	0.8	45
134	The dusk flank of Jupiter's magnetosphere. Nature, 2002, 415, 991-994.	13.7	44
135	Atmospheric Electricity at Saturn. Space Science Reviews, 2008, 137, 271-285.	3.7	44
136	Plasma waves associated with the AMPTE artificial comet. Geophysical Research Letters, 1985, 12, 851-854.	1.5	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.	3.7	42
140	Electron density dropout near Enceladus in the context of waterâ€œvapor and waterâ€œice. Geophysical Research Letters, 2009, 36, .	1.5	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.	13.7	41
143	Observation of similar radio signatures at Saturn and Jupiter: Implications for the magnetospheric dynamics. Geophysical Research Letters, 2007, 34, .	1.5	41
144	The plasma density distribution in the inner region of Saturn's magnetosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 2970-2974.	0.8	41

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145	Effects of a strong ICME on the Martian ionosphere as detected by Mars Express and Mars Odyssey. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5891-5908.	0.8	41
146	Oblique reflections in the Mars Express MARSIS data set: Stable density structures in the Martian ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3944-3960.	0.8	41
147	Micron-sized particles detected near Neptune by the Voyager 2 plasma wave instrument. <i>Journal of Geophysical Research</i> , 1991, 96, 19177-19186.	3.3	40
148	Fine structure of Langmuir waves observed upstream of the bow shock at Venus. <i>Journal of Geophysical Research</i> , 1994, 99, 13363.	3.3	40
149	Properties of dust particles near Saturn inferred from voltage pulses induced by dust impacts on Cassini spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6294-6312.	0.8	40
150	In situ measurements of Saturn's ionosphere show that it is dynamic and interacts with the rings. <i>Science</i> , 2018, 359, 66-68.	6.0	40
151	The January 10, 1997 auroral hot spot, horseshoe aurora and first substorm: A CME loop?. <i>Geophysical Research Letters</i> , 1998, 25, 3047-3050.	1.5	39
152	Propagation of auroral hiss at high altitudes. <i>Geophysical Research Letters</i> , 2002, 29, 119-1-119-4.	1.5	39
153	In-flight calibration of the Cassini-Radio and Plasma Wave Science (RPWS) antenna system for direction-finding and polarization measurements. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	39
154	Cassini UVIS observations of Jupiter's auroral variability. <i>Icarus</i> , 2005, 178, 312-326.	1.1	39
155	Plasma environment in the wake of Titan from hybrid simulation: A case study. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	39
156	Ordering of injection events within Saturnian SLS longitude and local time. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 832-838.	0.8	39
157	Principles of space plasma wave instrument design. <i>Geophysical Monograph Series</i> , 1998, , 121-136.	0.1	39
158	Source locations of narrowband radio emissions detected at Saturn. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	38
159	A plasma pause-like density boundary at high latitudes in Saturn's magnetosphere. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	38
160	High-latitude geophysical studies with satellite Injun 3: 1. Description of the satellite. <i>Journal of Geophysical Research</i> , 1964, 69, 1-12.	3.3	37
161	The return of the heliospheric 2-3 kHz radio emission during solar cycle 23. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	37
162	A new semiempirical model of the peak electron density of the Martian ionosphere. <i>Geophysical Research Letters</i> , 2013, 40, 5361-5365.	1.5	37

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163	Chorus-related electrostatic bursts in the Earth's outer magnetosphere. <i>Nature</i> , 1982, 295, 46-48.	13.7	36
164	Elliptical polarization of Saturn Kilometric Radiation observed from high latitudes. <i>Journal of Geophysical Research</i> , 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. <i>Geophysical Research Letters</i> , 1995, 22, 651-654.	1.5	35
166	Chorus source properties that produce time shifts and frequency range differences observed on different Cluster spacecraft. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	35
167	Auroral electron distributions within and close to the Saturn kilometric radiation source region. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	35
168	A new view of Jupiter's auroral radio spectrum. <i>Geophysical Research Letters</i> , 2017, 44, 7114-7121.	1.5	35
169	Analysis of electromagnetic wave direction finding performed by spaceborne antennas using singular-value decomposition techniques. <i>Radio Science</i> , 1995, 30, 1699-1712.	0.8	34
170	Electrostatic solitary waves observed at Saturn by Cassini inside 10 $R_s$ and near Enceladus. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6569-6580.	0.8	34
171	Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvén, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088432.	1.5	34
172	Pitch-angle diffusion by whistler mode waves near the Io plasma torus. <i>Geophysical Research Letters</i> , 1979, 6, 653-656.	1.5	33
173	A revised analysis of micron-sized particles detected near Saturn by the Voyager 2 plasma wave instrument. <i>Journal of Geophysical Research</i> , 1994, 99, 2261.	3.3	33
174	Plasma densities in the vicinity of Callisto from Galileo plasma wave observations. <i>Geophysical Research Letters</i> , 2000, 27, 1867-1870.	1.5	33
175	Vertical sheets of dense plasma in the topside Martian ionosphere. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	33
176	CMI growth rates for Saturnian kilometric radiation. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	33
177	New observations of the low frequency interplanetary radio emissions. <i>Geophysical Research Letters</i> , 1991, 18, 1801-1804.	1.5	32
178	Ganymede: A new radio source. <i>Geophysical Research Letters</i> , 1997, 24, 2167-2170.	1.5	32
179	Electrostatic solitary structures associated with the November 10, 2003, interplanetary shock at 8.7 AU. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	32
180	First whistler observed in the magnetosphere of Saturn. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	32

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