

Don Gurnett

List of Publications by Year in descending order

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Version: 2024-02-01

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	Shocks in the Very Local Interstellar Medium. <i>Space Science Reviews</i> , 2022, 218, 27.	3.7	13
2	Magnetic Field and Plasma Density Observations of a Pressure Front by Voyager 1 during 2020 in the Very Local Interstellar Medium. <i>Astrophysical Journal</i> , 2021, 911, 61.	1.6	24
3	Persistent plasma waves in interstellar space detected by Voyager 1. <i>Nature Astronomy</i> , 2021, 5, 761-765.	4.2	20
4	Magnetic Field Draping of the Heliopause and Its Consequences for Radio Emission in the Very Local Interstellar Medium. <i>Astrophysical Journal Letters</i> , 2021, 917, L20.	3.0	15
5	Planetary Period Oscillations of Saturn's Dayside Equatorial Ionospheric Electron Density Observed on Cassini's Proximal Passes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029332.	0.8	3
6	A Foreshock Model for Interstellar Shocks of Solar Origin: Voyager 1 and 2 Observations. <i>Astronomical Journal</i> , 2021, 161, 11.	1.9	21
7	The Dayside Ionopause of Mars: Solar Wind Interaction, Pressure Balance, and Comparisons With Venus. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006936.	1.5	7
8	Origin of the Weak Plasma Emission Line Detected by Voyager 1 in the Interstellar Medium: Evidence for Suprathermal Electrons. <i>Astrophysical Journal</i> , 2021, 921, 62.	1.6	10
9	Multi-Point Observation of Hiss Emerging From Lightning Whistlers. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029524.	0.8	3
10	Variations in the Ionospheric Peak Altitude at Mars in Response to Dust Storms: 13 Years of Observations From the Mars Express Radar Sounder. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006092.	1.5	19
11	Prolonged Lifetime of the Transient Ionized Layer in the Martian Atmosphere Caused by Comet Siding Spring. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006607.	1.5	1
12	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
13	Nondetection of Radio Emissions From Titan Lightning by Cassini RPWS. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006496.	1.5	1
14	The Generation of Upward-Propagating Whistler Mode Waves by Electron Beams in the Jovian Polar Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027868.	0.8	11
15	The Origins of Space Radio and Plasma Wave Research at the University of Iowa. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027324.	0.8	1
16	Martian Ionopause Boundary: Coincidence With Photoelectron Boundary and Response to Internal and External Drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027409.	0.8	11
17	Distribution in Saturn's Inner Magnetosphere From 2.4 to 10 R_S : A Diffusive Equilibrium Model. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027545.	0.8	9
18	Observations of a Radial Density Gradient in the Very Local Interstellar Medium by Voyager 2. <i>Astrophysical Journal Letters</i> , 2020, 900, L1.	3.0	15

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19	Evidence of Electron Density Enhancements in the Postâ€Apoapsis Sector of Enceladus' Orbit. Journal of Geophysical Research: Space Physics, 2020, 125, .	0.8	0
20	The Effects of Solar Wind Dynamic Pressure on the Structure of the Topside Ionosphere of Mars. Geophysical Research Letters, 2019, 46, 8652-8662.	1.5	22
21	Oblique Reflections of Mars Express MARSIS Radar Signals From Ionospheric Density Structures: Raytracing Analysis. Journal of Geophysical Research E: Planets, 2019, 124, 1177-1187.	1.5	1
22	A Persistent, Largeâ€Scale, and Ordered Electrodynamic Connection Between Saturn and Its Main Rings. Geophysical Research Letters, 2019, 46, 7166-7172.	1.5	2
23	The Effects of Crustal Magnetic Fields and Solar EUV Flux on Ionopause Formation at Mars. Geophysical Research Letters, 2019, 46, 10257-10266.	1.5	14
24	Plasma densities near and beyond the heliopause from the Voyager 1 and 2 plasma wave instruments. Nature Astronomy, 2019, 3, 1024-1028.	4.2	63
25	Analysis of a long-lived, two-cell lightning storm on Saturn. Astronomy and Astrophysics, 2019, 621, A113.	2.1	4
26	Evidence for low density holes in Jupiterâ€™s ionosphere. Nature Communications, 2019, 10, 2751.	5.8	4
27	Saturn's Dusty Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 1679-1697.	0.8	27
28	Electron Density Profiles in the Upper Ionosphere of Mars From 11 Years of MARSIS Data: Variability Due to Seasons, Solar Cycle, and Crustal Magnetic Fields. Journal of Geophysical Research: Space Physics, 2019, 124, 3057-3066.	0.8	16
29	Characterizing Average Electron Densities in the Martian Dayside Upper Ionosphere. Journal of Geophysical Research E: Planets, 2019, 124, 76-93.	1.5	13
30	Electron Density Distributions in Saturn's Ionosphere. Geophysical Research Letters, 2019, 46, 3061-3068.	1.5	27
31	Pitch Angle Scattering of Upgoing Electron Beams in Jupiter's Polar Regions by Whistler Mode Waves. Geophysical Research Letters, 2018, 45, 1246-1252.	1.5	17
32	Ionospheric Irregularities at Mars Probed by MARSIS Topside Sounding. Journal of Geophysical Research: Space Physics, 2018, 123, 1018-1030.	0.8	14
33	First Observation of Lion Roar Emission in Saturn's Magnetosheath. Geophysical Research Letters, 2018, 45, 486-492.	1.5	5
34	The Dusty Plasma Disk Around the Janus/Epimetheus Ring. Journal of Geophysical Research: Space Physics, 2018, 123, 4668-4678.	0.8	8
35	Analysis of Intense <i>Z</i>-Mode Emission Observed During the Cassini Proximal Orbits. Geophysical Research Letters, 2018, 45, 6766-6772.	1.5	8
36	In situ measurements of Saturnâ€™s ionosphere show that it is dynamic and interacts with the rings. Science, 2018, 359, 66-68.	6.0	40

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37	Dust Observations by the Radio and Plasma Wave Science Instrument During Cassini's Grand Finale. Geophysical Research Letters, 2018, 45, 10,101.	1.5	16
38	An SLS5 Longitude System Based on the Rotational Modulation of Saturn Radio Emissions. Geophysical Research Letters, 2018, 45, 7297-7305.	1.5	13
39	Ions Accelerated by Sounder's Plasma Interaction as Observed by Mars Express. Journal of Geophysical Research: Space Physics, 2018, 123, 9802-9814.	0.8	5
40	The Acceleration of Electrons to High Energies Over the Jovian Polar Cap via Whistler Mode Wave-Particle Interactions. Journal of Geophysical Research: Space Physics, 2018, 123, 7523-7533.	0.8	21
41	Whistler Mode Waves Associated With Broadband Auroral Electron Precipitation at Jupiter. Geophysical Research Letters, 2018, 45, 9372-9379.	1.5	21
42	The Cassini RPWS/LP Observations of Dusty Plasma in the Kronian System. Proceedings of the International Astronomical Union, 2018, 14, 415-416.	0.0	0
43	Saturn's Plasma Density Depletions Along Magnetic Field Lines Connected to the Main Rings. Geophysical Research Letters, 2018, 45, 8104-8110.	1.5	6
44	Strong whistler mode waves observed in the vicinity of Jupiter's moons. Nature Communications, 2018, 9, 3131.	5.8	22
45	Mars Initial Reference Ionosphere (MIRI) Model: Updates and Validations Using MAVEN, MEX, and MRO Data Sets. Journal of Geophysical Research: Space Physics, 2018, 123, 5674-5683.	0.8	12
46	Auroral Hiss Emissions During Cassini's Grand Finale: Diverse Electrodynamic Interactions Between Saturn and Its Rings. Geophysical Research Letters, 2018, 45, 6782-6789.	1.5	8
47	Enceladus Auroral Hiss Emissions During Cassini's Grand Finale. Geophysical Research Letters, 2018, 45, 7347-7353.	1.5	16
48	Jupiter Lightning-Induced Whistler and Sferic Events With Waves and MWR During Juno Perijoves. Geophysical Research Letters, 2018, 45, 7268-7276.	1.5	11
49	MARSIS Observations of Field-Aligned Irregularities and Ducted Radio Propagation in the Martian Ionosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 6251-6263.	0.8	2
50	MARSIS Observations of the Martian Nightside Ionosphere During the September 2017 Solar Event. Geophysical Research Letters, 2018, 45, 7960-7967.	1.5	23
51	Cassini RPWS Dust Observation Near the Janus/Epimetheus Orbit. Journal of Geophysical Research: Space Physics, 2018, 123, 4952-4960.	0.8	9
52	Discovery of rapid whistlers close to Jupiter implying lightning rates similar to those on Earth. Nature Astronomy, 2018, 2, 544-548.	4.2	27
53	Prevalent lightning sferics at 600 megahertz near Jupiter's poles. Nature, 2018, 558, 87-90.	13.7	52
54	Whistler mode waves upstream of Saturn. Journal of Geophysical Research: Space Physics, 2017, 122, 227-234.	0.8	4

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55	The transient topside layer and associated current sheet in the ionosphere of Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5579-5590.	0.8	10
56	Plasma waves in Jupiter's high-latitude regions: Observations from the Juno spacecraft. <i>Geophysical Research Letters</i> , 2017, 44, 4447-4454.	1.5	27
57	Ion trapping by dust grains: Simulation applications to the Enceladus plume. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 729-743.	1.5	5
58	A new view of Jupiter's auroral radio spectrum. <i>Geophysical Research Letters</i> , 2017, 44, 7114-7121.	1.5	35
59	Survey of Saturn electrostatic cyclotron harmonic wave intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8214-8227.	0.8	10
60	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
61	Intense Harmonic Emissions Observed in Saturn's Ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 12,049.	1.5	12
62	Ionospheric Electron Densities at Mars: Comparison of Mars Express Ionospheric Sounding and MAVEN Local Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,393.	0.8	6
63	Large-scale solar wind flow around Saturn's nonaxisymmetric magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9198-9206.	0.8	7
64	Dynamic response of the Martian ionosphere to an interplanetary shock: Mars Express and MAVEN observations. <i>Geophysical Research Letters</i> , 2017, 44, 9116-9123.	1.5	14
65	Dust detection in space using the monopole and dipole electric field antennas. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,964.	0.8	23
66	Rotational modulation of Saturn's radio emissions after equinox. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,714.	0.8	25
67	Spatial distribution of Langmuir waves observed upstream of Saturn's bow shock by Cassini. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7771-7784.	0.8	6
68	Empirical model of the Martian dayside ionosphere: Effects of crustal magnetic fields and solar ionizing flux at higher altitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1760-1771.	0.8	31
69	On improving the accuracy of electron density profiles obtained at high altitudes by the ionospheric sounder on the Mars Express spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,117-10,129.	0.8	8
70	Plasma observations during the Mars atmospheric "plume" event of March-April 2012. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3139-3154.	0.8	10
71	Survey of whistler mode chorus intensity at Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9758-9770.	0.8	23
72	Source region and growth analysis of narrowband Z-mode emission at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,929.	0.8	14

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73	A case study of a density structure over a vertical magnetic field region in the Martian ionosphere. <i>Geophysical Research Letters</i> , 2016, 43, 4665-4672.	1.5	8
74	Control of the topside Martian ionosphere by crustal magnetic fields. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3042-3058.	0.8	45
75	An ionized layer in the upper atmosphere of Mars caused by dust impacts from comet Siding Spring. <i>Geophysical Research Letters</i> , 2015, 42, 4745-4751.	1.5	23
76	MARSIS remote sounding of localized density structures in the dayside Martian ionosphere: A study of controlling parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8125-8145.	0.8	20
77	PRECURSORS TO INTERSTELLAR SHOCKS OF SOLAR ORIGIN. <i>Astrophysical Journal</i> , 2015, 809, 121.	1.6	68
78	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
79	Effects of Saturn's magnetospheric dynamics on Titan's ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8884-8898.	0.8	11
80	The equivalent slab thickness of Mars' ionosphere: Implications for thermospheric temperature. <i>Geophysical Research Letters</i> , 2015, 42, 3560-3568.	1.5	8
81	Survey of Saturn Z -mode emission. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6176-6187.	0.8	12
82	Total electron content in the Martian atmosphere: A critical assessment of the Mars Express MARSIS data sets. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2166-2182.	0.8	32
83	Evidence for a seasonally dependent ring plasma in the region between Saturn's A Ring and Enceladus' orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6276-6285.	0.8	17
84	Intensity of nightside MARSIS AIS surface reflections and implications for low-altitude ionospheric densities. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3226-3239.	0.8	8
85	Statistics of Langmuir wave amplitudes observed inside Saturn's foreshock by the Cassini spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2531-2542.	0.8	9
86	A possible influence of the Great White Spot on Saturn kilometric radiation periodicity. <i>Annales Geophysicae</i> , 2014, 32, 1463-1476.	0.6	19
87	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
88	Dayside episodic ion outflow from Martian magnetic cusps and/or magnetosheath boundary motion associated with plasma oscillations. <i>Geophysical Research Letters</i> , 2014, 41, 3344-3350.	1.5	3
89	Electron density inside Enceladus plume inferred from plasma oscillations excited by dust impacts. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3373-3380.	0.8	22
90	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

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91	Enhanced ionization of the Martian nightside ionosphere during solar energetic particle events. <i>Geophysical Research Letters</i> , 2014, 41, 793-798.	1.5	25
92	Cassini multi-instrument assessment of Saturn's polar cap boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8161-8177.	0.8	31
93	Survey analysis of chorus intensity at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8415-8425.	0.8	19
94	Outflow and plasma acceleration in Titan's induced magnetotail: Evidence of magnetic tension forces. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9992.	0.8	4
95	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
96	MARSIS observations of the Martian nightside ionosphere dependence on solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4077-4093.	0.8	16
97	Saturn chorus latitudinal variations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4656-4667.	0.8	4
98	In Situ Observations of Interstellar Plasma with Voyager 1. <i>Science</i> , 2013, 341, 1489-1492.	6.0	276
99	Frequency drift of Saturn chorus emission compared to nonlinear theory. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 982-990.	0.8	10
100	Saturn chorus intensity variations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5592-5602.	0.8	18
101	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
102	Enceladus auroral hiss observations: Implications for electron beam locations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 160-166.	0.8	8
103	EVIDENCE FOR A SHOCK IN INTERSTELLAR PLASMA: <i>VOYAGER 1</i>. <i>Astrophysical Journal Letters</i> , 2013, 778, L3.	3.0	64
104	The plasma density distribution in the inner region of Saturn's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2970-2974.	0.8	41
105	The influence of the secondary electrons induced by energetic electrons impacting the Cassini Langmuir probe at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7054-7073.	0.8	11
106	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
107	The Kilometric Radio Emission Spectrum: Relationship to Auroral Acceleration Processes. <i>Geophysical Monograph Series</i> , 2013, , 341-350.	0.1	71
108	Upper ionosphere of Mars is not axially symmetrical. <i>Earth, Planets and Space</i> , 2012, 64, 113-120.	0.9	19

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109	Properties of the magnetospheric backward wave oscillator inferred from CLUSTER measurements of VLF chorus elements. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
110	Cassini observation of Jovian anomalous continuum radiation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	4
111	The detection of energetic electrons with the Cassini Langmuir probe at Saturn. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	8
112	Identification of electron field-aligned current systems in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
113	Saturn's inner magnetospheric convection pattern: Further evidence. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	60
114	Flow stagnation at Enceladus: The effects of neutral gas and charged dust. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
115	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
116	The electromagnetic pickup of submicron-sized dust above Enceladus's northern hemisphere. <i>Icarus</i> , 2012, 219, 498-501.	1.1	12
117	Importance of plasma injection events for energization of relativistic electrons in the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	9
118	Dual-spacecraft observation of large-scale magnetic flux ropes in the Martian ionosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	21
119	Peak electron densities in Saturn's ionosphere derived from the low-frequency cutoff of Saturn lightning. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	21
120	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
121	Dayside ionosphere of Mars: Empirical model based on data from the MARSIS instrument. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	66
122	Auroral hiss, electron beams and standing Alfvén wave currents near Saturn's moon Enceladus. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	23
123	The search for Titan lightning radio emissions. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	26
124	ENA periodicities and their phase relations to SKR emissions at Saturn. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	9
125	Intense plasma wave emissions associated with Saturn's moon Rhea. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	32
126	The rotation of the plasmopause-like boundary at high latitudes in Saturn's magnetosphere and its relation to the eccentric rotation of the northern and southern auroral ovals. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	16

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127	Auroral electron distributions within and close to the Saturn kilometric radiation source region. Journal of Geophysical Research, 2011, 116, .	3.3	35
128	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
129	Influence of negatively charged plume grains on the structure of Enceladus' Alfvén wings: Hybrid simulations versus Cassini Magnetometer data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
130	Dusty plasma in the vicinity of Enceladus. Journal of Geophysical Research, 2011, 116, .	3.3	89
131	Analysis of Saturn kilometric radiation near a source center. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	25
132	Ion cyclotron harmonics in the Saturn downward current auroral region. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
133	Areas of enhanced ionization in the deep nightside ionosphere of Mars. Journal of Geophysical Research, 2011, 116, .	3.3	50
134	Overview of the plasma environment of Mars as seen by the radar sounder on Mars Express Spacecraft. , 2011, , .		0
135	A giant thunderstorm on Saturn. Nature, 2011, 475, 75-77.	13.7	116
136	On The Propagation And Modulation Of Electrostatic Solitary Waves Observed Near The Magnetopause On Cluster. AIP Conference Proceedings, 2011, , .	0.3	1
137	Radar absorption due to a corotating interaction region encounter with Mars detected by MARSIS. Icarus, 2010, 206, 95-103.	1.1	19
138	Phase relations between energetic neutral atom intensities and kilometric radio emissions at Saturn. Journal of Geophysical Research, 2010, 115, .	3.3	10
139	Cassini observations of narrowband radio emissions in Saturn's magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	26
140	Survey of Poynting flux of whistler mode chorus in the outer zone. Journal of Geophysical Research, 2010, 115, .	3.3	94
141	Characteristics of Langmuir electric field waveforms and power spectra exhibiting nonlinear behavior in Earth's foreshock. Journal of Geophysical Research, 2010, 115, .	3.3	14
142	Z mode waves as the source of Saturn narrowband radio emissions. Journal of Geophysical Research, 2010, 115, .	3.3	30
143	Wave-particle interactions in the equatorial source region of whistler-mode emissions. Journal of Geophysical Research, 2010, 115, .	3.3	51
144	Electron beams as the source of whistler-mode auroral hiss at Saturn. Geophysical Research Letters, 2010, 37, .	1.5	31

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145	Properties of Saturn kilometric radiation measured within its source region. Geophysical Research Letters, 2010, 37, .	1.5	74
146	Non- detection of impulsive radio signals from lightning in Martian dust storms using the radar receiver on the Mars Express spacecraft. Geophysical Research Letters, 2010, 37, .	1.5	25
147	A plasma pause- like density boundary at high latitudes in Saturn's magnetosphere. Geophysical Research Letters, 2010, 37, .	1.5	38
148	Modification of the plasma in the near- vicinity of Enceladus by the enveloping dust. Geophysical Research Letters, 2010, 37, .	1.5	26
149	CMI growth rates for Saturnian kilometric radiation. Geophysical Research Letters, 2010, 37, .	1.5	33
150	The reversal of the rotational modulation rates of the north and south components of Saturn kilometric radiation near equinox. Geophysical Research Letters, 2010, 37, .	1.5	65
151	Overlapping ionospheric and surface echoes observed by the Mars Express radar sounder near the Martian terminator. Geophysical Research Letters, 2010, 37, .	1.5	11
152	Observations of the relationship between frequency sweep rates of chorus wave packets and plasma density. Journal of Geophysical Research, 2010, 115, .	3.3	48
153	Excitation of electron cyclotron harmonic waves in the inner Saturn magnetosphere within local plasma injections. Journal of Geophysical Research, 2010, 115, .	3.3	18
154	Dual periodicities in the rotational modulation of Saturn narrowband emissions. Journal of Geophysical Research, 2010, 115, .	3.3	24
155	Nighttime ionosphere of Mars: Radar soundings by the Mars Express spacecraft. Journal of Geophysical Research, 2010, 115, .	3.3	71
156	The electron density of Saturn's magnetosphere. Annales Geophysicae, 2009, 27, 2971-2991.	0.6	73
157	Exploring the Martian subsurface of Athabasca using MARSIS radar data: Testing the volcanic and fluvial hypotheses for the origin of the morphology. , 2009, , .		0
158	The Mars express MARSIS sounder instrument. Planetary and Space Science, 2009, 57, 1975-1986.	0.9	134
159	Is the Martian water table hidden from radar view?. Geophysical Research Letters, 2009, 36, .	1.5	30
160	Discovery of a north- south asymmetry in Saturn's radio rotation period. Geophysical Research Letters, 2009, 36, .	1.5	143
161	A north- south difference in the rotation rate of auroral hiss at Saturn: Comparison to Saturn's kilometric radio emission. Geophysical Research Letters, 2009, 36, .	1.5	61
162	Electron densities in Jupiter's outer magnetosphere determined from Voyager 1 and 2 plasma wave spectra. Journal of Geophysical Research, 2009, 114, .	3.3	26

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163	Elliptical polarization of Saturn Kilometric Radiation observed from high latitudes. Journal of Geophysical Research, 2009, 114, .	3.3	36
164	Oblique lower band chorus waves: Time shifts between discrete elements observed by the Cluster spacecraft. Journal of Geophysical Research, 2009, 114, .	3.3	15
165	Oblique propagation of whistler mode waves in the chorus source region. Journal of Geophysical Research, 2009, 114, .	3.3	129
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167	Sounding the subsurface of Athabasca Valles using MARSIS radar data: Exploring the volcanic and fluvial hypotheses for the origin of the rafted plate terrain. Journal of Geophysical Research, 2009, 114, .	3.3	19
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