

Iver Cairns

List of Publications by Year in descending order

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306
papers

7,833
citations

61984

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2880
citing authors

#	ARTICLE	IF	CITATIONS
1	Density Turbulence and the Angular Broadening of Outer Heliospheric Radio Sources at High Latitudes and in the Ecliptic Plane. <i>Astrophysical Journal</i> , 2022, 928, 125.	4.5	4
2	High bandwidth measurements of auroral Langmuir waves with multiple antennas. <i>Annales Geophysicae</i> , 2022, 40, 231-245.	1.6	4
3	OpenHSI: A Complete Open-Source Hyperspectral Imaging Solution for Everyone. <i>Remote Sensing</i> , 2022, 14, 2244.	4.0	9
4	Shocks in the Very Local Interstellar Medium. <i>Space Science Reviews</i> , 2022, 218, 27.	8.1	13
5	Type-III Electron Beams: 3D Quasilinear Effects. <i>Solar Physics</i> , 2021, 296, 1.	2.5	5
6	TRICE 2 Observations of Low-Energy Magnetospheric Ions Within the Cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029382.	2.4	4
7	Modulated Upper-Hybrid Waves Coincident With Lower-Hybrid Waves in the Cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029590.	2.4	3
8	Outer Heliospheric Turbulence and the Angular Broadening of Radio Sources from the Voyager Data. <i>Journal of Physics: Conference Series</i> , 2020, 1620, 012022.	0.4	2
9	Reconnection at the Heliopause: Comparing the Voyager 1 and 2 Heliopause Crossings. <i>Journal of Physics: Conference Series</i> , 2020, 1620, 012004.	0.4	4
10	The INSPIRE-2 CubeSat for the QB50 Project. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	2
11	Comprehensive Characterization of Solar Eruptions with Remote and In-Situ Observations, and Modeling: The Major Solar Events on 4 November 2015. <i>Solar Physics</i> , 2020, 295, 1.	2.5	7
12	Electron-Langmuir wave resonance in three dimensions. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	8
13	Impedance and Voltage Power Spectra of a Monopole Antenna in a Warm Plasma-Derivation and Application to CubeSats. <i>Radio Science</i> , 2020, 55, e2019RS006956.	1.6	0
14	Spectropolarimetric Imaging of Metric Type III Solar Radio Bursts. <i>Solar Physics</i> , 2020, 295, 1.	2.5	8
15	A Flare-type IV Burst Event from Proxima Centauri and Implications for Space Weather. <i>Astrophysical Journal</i> , 2020, 905, 23.	4.5	37
16	The Low-Frequency Solar Corona in Circular Polarization. <i>Solar Physics</i> , 2019, 294, 1.	2.5	24
17	Mapping Magnetic Field Lines for an Accelerating Solar Wind. <i>Solar Physics</i> , 2019, 294, 1.	2.5	3
18	Statistical Study of Electron Bunching in Auroral Langmuir Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5956-5975.	2.4	5

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19	Offset Power-law Dependence of the Sun's Radial Electron Density Profile: Evidence and Implications. <i>Astrophysical Journal</i> , 2019, 877, 25.	4.5	2
20	Unsupervised Generation of High Dynamic Range Solar Images: A Novel Algorithm for Self-calibration of Interferometry Data. <i>Astrophysical Journal</i> , 2019, 875, 97.	4.5	23
21	On the Relative Brightness of Coronal Holes at Low Frequencies. <i>Solar Physics</i> , 2019, 294, 1.	2.5	11
22	Comparisons Between the Field Lines Using an Accelerating and a Constant Solar Wind model. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012015.	0.4	0
23	Science with the Murchison Widefield Array: Phase I results and Phase II opportunities. <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	3.4	29
24	Low Altitude Solar Magnetic Reconnection, Type III Solar Radio Bursts, and X-ray Emissions. <i>Scientific Reports</i> , 2018, 8, 1676.	3.3	38
25	A Generalized Equatorial Model for the Accelerating Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1061-1085.	2.4	9
26	First results from Automated Imaging Routine for Compact Arrays for Radio Sun. <i>Proceedings of the International Astronomical Union</i> , 2018, 13, 159-160.	0.0	1
27	Electron and ion heating due to magnetic reconnection at the heliopause. <i>Journal of Physics: Conference Series</i> , 2018, 1100, 012004.	0.4	2
28	The Phase II Murchison Widefield Array: Design overview. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, .	3.4	140
29	Solar science at metric radio wavelengths: Coming of age. <i>Proceedings of the International Astronomical Union</i> , 2018, 13, 145-146.	0.0	2
30	Dust Detection via Voltage Power Spectroscopy on a CubeSat in Earth's Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7871-7888.	2.4	3
31	Densities Probed by Coronal Type III Radio Burst Imaging. <i>Solar Physics</i> , 2018, 293, 1.	2.5	27
32	Kinematics of electrostatic 3-wave decay of generalized Langmuir waves in magnetized plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	7
33	Quasi-thermal noise and shot noise spectroscopy on a CubeSat in Earth's ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3538-3552.	2.4	2
34	THE PLASMA DEPLETION LAYER BEYOND THE HELIOPAUSE: EVIDENCE, IMPLICATIONS, AND PREDICTIONS FOR VOYAGER 2 AND NEW HORIZONS. <i>Astrophysical Journal</i> , 2017, 834, 197.	4.5	11
35	The Challenges of Low-Frequency Radio Polarimetry: Lessons from the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	3.4	45
36	Radial transport of radiation belt electrons in kinetic field-line resonances. <i>Geophysical Research Letters</i> , 2017, 44, 8140-8148.	4.0	18

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37	Type III Solar Radio Burst Source Region Splitting due to a Quasi-separatrix Layer. <i>Astrophysical Journal</i> , 2017, 851, 151.	4.5	31
38	Automatic recognition of complex magnetic regions on the Sun in SDO magnetogram images and prediction of flares: Techniques and results for the revised flare prediction program Flarecast. <i>Space Weather</i> , 2017, 15, 1151-1164.	3.7	6
39	CME flux rope and shock identifications and locations: Comparison of white light data, Graduated Cylindrical Shell model, and MHD simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1886-1906.	2.4	12
40	Mapping magnetic field lines between the Sun and Earth. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 925-948.	2.4	13
41	Magnetic field inversions at 1 $\hat{\text{A}}$ U: Comparisons between mapping predictions and observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,728.	2.4	2
42	Comparisons of mapped magnetic field lines with the source path of the 7 April 1995 type III solar radio burst. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6141-6156.	2.4	7
43	A new angle for probing field-aligned irregularities with the Murchison Widefield Array. <i>Radio Science</i> , 2016, 51, 659-679.	1.6	3
44	On the propagation and mode conversion of auroral medium frequency bursts. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1706-1721.	2.4	3
45	Quantitative prediction of type II solar radio emission from the Sun to 1 $\hat{\text{A}}$ U. <i>Geophysical Research Letters</i> , 2016, 43, 50-57.	4.0	21
46	Density duct formation in the wake of a travelling ionospheric disturbance: Murchison Widefield Array observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1569-1586.	2.4	11
47	An equatorial solar wind model with angular momentum conservation and nonradial magnetic fields and flow velocities at an inner boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4966-4984.	2.4	14
48	Coronal magnetic field profiles from shock-CME standoff distances. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9299-9315.	2.4	10
49	Demonstration of a viable quantitative theory for interplanetary type II radio bursts. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2
50	MURCHISON WIDEFIELD ARRAY OBSERVATIONS OF ANOMALOUS VARIABILITY: A SERENDIPITOUS NIGHT-TIME DETECTION OF INTERPLANETARY SCINTILLATION. <i>Astrophysical Journal Letters</i> , 2015, 809, L12.	8.3	19
51	Power spectrum analysis of ionospheric fluctuations with the Murchison Widefield Array. <i>Radio Science</i> , 2015, 50, 574-597.	1.6	30
52	Waves in the sky: Probing the ionosphere with the Murchison Widefield Array. , 2015, , .		0
53	Real-time imaging of density ducts between the plasmasphere and ionosphere. <i>Geophysical Research Letters</i> , 2015, 42, 3707-3714.	4.0	61
54	Testing a theory for type II radio bursts from the Sun to near 0.5 AU. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012004.	0.4	2

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55	Plasma properties at the Voyager 1 crossing of the heliopause. Journal of Physics: Conference Series, 2015, 642, 012010.	0.4	4
56	The Langmuir waves associated with the 1 December 2013 type II burst. Journal of Geophysical Research: Space Physics, 2015, 120, 4126-4141.	2.4	15
57	Coronal turbulence and the angular broadening of radio sources – the role of the structure function. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3486-3497.	4.4	14
58	Solar and Heliospheric Physics with the Square Kilometre Array. , 2015, , .		7
59	Applying bicoherence analysis to spacecraft observations of Langmuir waves. Geophysical Research Letters, 2014, 41, 1367-1374.	4.0	8
60	PRODUCTION OF FINE STRUCTURES IN TYPE III SOLAR RADIO BURSTS DUE TO TURBULENT DENSITY PROFILES. Astrophysical Journal, 2014, 790, 67.	4.5	14
61	Fundamental Emission of Type III Bursts Produced in Non-Maxwellian Coronal Plasmas with Kappa-Distributed Background Particles. Solar Physics, 2014, 289, 951-976.	2.5	24
62	Type II solar radio bursts predicted by 3D MHD CME and kinetic radio emission simulations. Journal of Geophysical Research: Space Physics, 2014, 119, 69-87.	2.4	40
63	Harmonic waves and sheath rectification in type III solar radio bursts. Journal of Geophysical Research: Space Physics, 2014, 119, 723-741.	2.4	19
64	Linear mode conversion of Langmuir/whistler mode waves to radiation: Averaged energy conversion efficiencies, polarization, and applications to Earth's continuum radiation. Journal of Geophysical Research: Space Physics, 2014, 119, 3392-3410.	2.4	11
65	The solar type II radio bursts of 7 March 2012: Detailed simulation analyses. Journal of Geophysical Research: Space Physics, 2014, 119, 6042-6061.	2.4	24
66	Dynamical evidence for nonlinear Langmuir wave processes in type III solar radio bursts. Journal of Geophysical Research: Space Physics, 2014, 119, 2430-2457.	2.4	12
67	Observing the Sun with the Murchison Widefield Array. , 2014, , .		2
68	Automatic recognition of type III solar radio bursts in STEREO/WAVES data for onboard real-time and archived data processing. Journal of Geophysical Research: Space Physics, 2014, 119, 742-750.	2.4	6
69	Exact evaluation of the rates of electrostatic decay and scattering off thermal ions for an unmagnetized Maxwellian plasma. Physics of Plasmas, 2013, 20, 082310.	1.9	1
70	Constraints on the Formation and Structure of Langmuir Eigenmodes in the Solar Wind. Physical Review Letters, 2013, 111, 121101.	7.8	16
71	Langmuir waves and electrostatic decay in the solar wind. Geophysical Research Letters, 2013, 40, 1934-1939.	4.0	10
72	Electrostatic decay of Langmuir wave mode waves in type III solar radio bursts. Journal of Geophysical Research: Space Physics, 2013, 118, 3968-3984.	2.4	31

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73	Linear mode conversion of Langmuir/z-mode waves to radiation: Scalings of conversion efficiencies and propagation angles with temperature and magnetic field orientation. Physics of Plasmas, 2013, 20, .	1.9	12
74	Type III bursts produced by power law injected electrons in Maxwellian background coronal plasmas. Journal of Geophysical Research: Space Physics, 2013, 118, 4748-4759.	2.4	22
75	Langmuir wave harmonics due to driven nonlinear currents. Journal of Geophysical Research: Space Physics, 2013, 118, 6880-6888.	2.4	15
76	Science with the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	260
77	Variation of Langmuir wave polarization with electron beam speed in type III radio bursts. , 2013, , .		0
78	THE 2-3 kHz HELIOSPHERIC RADIATION, THE <i>IBEX</i> RIBBON, AND THE THREE-DIMENSIONAL SHAPE OF THE HELIOPAUSE. Astrophysical Journal, 2013, 771, 83.	4.5	32
79	TYPE III RADIO BURSTS IN CORONAL PLASMAS WITH KAPPA PARTICLE DISTRIBUTIONS. Astrophysical Journal Letters, 2013, 763, L34.	8.3	19
80	PREDICTION OF TYPE II SOLAR RADIO BURSTS BY THREE-DIMENSIONAL MHD CORONAL MASS EJECTION AND KINETIC RADIO EMISSION SIMULATIONS. Astrophysical Journal Letters, 2013, 773, L30.	8.3	17
81	Electrostatic Decay in a Weakly Magnetized Plasma. Physical Review Letters, 2013, 110, 185001.	7.8	11
82	Linear mode conversion of Langmuir/z-mode waves to radiation in plasmas with various magnetic field strength. Physics of Plasmas, 2013, 20, 122103.	1.9	15
83	Propagation of radiation in fluctuating multiscale plasmas. II. Kinetic simulations. Physics of Plasmas, 2012, 19, 113304.	1.9	2
84	Three-dimensional electromagnetic strong turbulence: Dependence of the statistics and dynamics of strong turbulence on the electron to ion temperature ratio. Physics of Plasmas, 2012, 19, 022306.	1.9	2
85	Beam-driven three-dimensional electromagnetic strong turbulence. Physics of Plasmas, 2012, 19, 082301.	1.9	3
86	Propagation of radiation in fluctuating multiscale plasmas. I. Kinetic theory. Physics of Plasmas, 2012, 19, 113303.	1.9	1
87	The i-INSPIRE satellite: a university pico-satellite project. Proceedings of SPIE, 2012, , .	0.8	3
88	EVIDENCE AGAINST THE OSCILLATING TWO-STREAM INSTABILITY AND SPATIAL COLLAPSE OF LANGMUIR WAVES IN SOLAR TYPE III RADIO BURSTS. Astrophysical Journal Letters, 2012, 753, L18.	8.3	44
89	TYPE III RADIO BURSTS PERTURBED BY WEAK CORONAL SHOCKS. Astrophysical Journal, 2012, 753, 124.	4.5	12
90	Type II radio bursts: 2. Application of the new analytic formalism. Journal of Geophysical Research, 2012, 117, .	3.3	39

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91	Nonzero azimuthal magnetic fields at the solar source surface: Extraction, model, and implications. Journal of Geophysical Research, 2012, 117, .	3.3	12
92	Do Langmuir wave packets in the solar wind collapse?. Journal of Geophysical Research, 2012, 117, .	3.3	19
93	Type II solar radio bursts: Modeling and extraction of shock parameters. Journal of Geophysical Research, 2012, 117, .	3.3	13
94	Type II solar radio bursts: 2. Detailed comparison of theory with observations. Journal of Geophysical Research, 2012, 117, .	3.3	9
95	Type II radio bursts: 1. New entirely analytic formalism for the electron beams, Langmuir waves, and radio emission. Journal of Geophysical Research, 2012, 117, .	3.3	21
96	ANTENNA RADIATION NEAR THE LOCAL PLASMA FREQUENCY BY LANGMUIR WAVE EIGENMODES. Astrophysical Journal, 2012, 755, 45.	4.5	25
97	Exact evaluation of the quadratic longitudinal response function for an unmagnetized Maxwellian plasma. Physics of Plasmas, 2012, 19, 072308.	1.9	3
98	Frequency Fine Structures of Type III Bursts Due to Localized Medium-Scale Density Structures Along Paths of Type III Beams. Solar Physics, 2012, 279, 173-196.	2.5	23
99	RIEGER-TYPE PERIODICITY IN THE OCCURRENCE OF SOLAR TYPE III RADIO BURSTS. Astrophysical Journal Letters, 2012, 754, L28.	8.3	12
100	Constraints on coronal turbulence models from source sizes of noise storms at 327 MHz. Journal of Geophysical Research, 2011, 116, .	3.3	16
101	Evidence for reformation of the Uranian bow shock: Hybrid simulations and comparisons with Voyager data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	11
102	Dependence of Langmuir wave polarization on electron beam speed in type III solar radio bursts. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	35
103	Modeling 1 AU solar wind observations to estimate azimuthal magnetic fields at the solar source surface. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	15
104	Changes in mode properties versus mode conversion for waves in Earth's auroral ionosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
105	Automatic recognition of complex magnetic regions on the Sun in GONG magnetogram images and prediction of flares: Techniques for the flare warning program Flarecast. Space Weather, 2011, 9, .	3.7	17
106	Coherent Radio Emissions Associated with Solar System Shocks. , 2011, , 267-338.		24
107	DECIMETRIC TYPE III BURSTS: GENERATION AND PROPAGATION. Astrophysical Journal Letters, 2011, 738, L9.	8.3	22
108	SOLAR CYCLE VARIATIONS OF THE OCCURRENCE OF CORONAL TYPE III RADIO BURSTS AND A NEW SOLAR ACTIVITY INDEX. Astrophysical Journal Letters, 2011, 736, L20.	8.3	8

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109	FIRST SPECTROSCOPIC IMAGING OBSERVATIONS OF THE SUN AT LOW RADIO FREQUENCIES WITH THE MURCHISON WIDEFIELD ARRAY PROTOTYPE. <i>Astrophysical Journal Letters</i> , 2011, 728, L27.	8.3	38
110	EFFECTS OF SPATIAL VARIATIONS IN CORONAL TEMPERATURES ON TYPE III BURSTS. I. VARIATIONS IN ELECTRON TEMPERATURE. <i>Astrophysical Journal</i> , 2011, 730, 20.	4.5	28
111	EFFECTS OF SPATIAL VARIATIONS IN CORONAL ELECTRON AND ION TEMPERATURES ON TYPE III BURSTS. II. VARIATIONS IN ION TEMPERATURE. <i>Astrophysical Journal</i> , 2011, 730, 21.	4.5	22
112	A resistive instability of lower hybrid-like waves in regions with parallel currents. <i>Physics of Plasmas</i> , 2011, 18, 082103.	1.9	1
113	Reactive instabilities of lower hybrid-like waves in regions with parallel currents. <i>Physics of Plasmas</i> , 2011, 18, 052111.	1.9	2
114	Three-dimensional electromagnetic strong turbulence. I. Scalings, spectra, and field statistics. <i>Physics of Plasmas</i> , 2011, 18, 062301.	1.9	9
115	Three-dimensional electromagnetic strong turbulence. II. Wave packet collapse and structure of wave packets during strong turbulence. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	8
116	Murchison Widefield Array: Tracing solar disturbances from the Sun to the Earth. , 2011, , .		1
117	First-order thermal correction to the quadratic response tensor and rate for second harmonic plasma emission. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	4
118	EVIDENCE FOR GENTLY SLOPING PLASMA DENSITY PROFILES IN THE DEEP CORONA: TYPE III OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 724, 1099-1107.	4.5	9
119	AUTOMATIC RECOGNITION OF CORONAL TYPE II RADIO BURSTS: THE AUTOMATED RADIO BURST IDENTIFICATION SYSTEM METHOD AND FIRST OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2010, 710, L58-L62.	8.3	29
120	Imprints of coronal temperature disturbances on type III bursts. <i>Astronomy and Astrophysics</i> , 2010, 510, L6.	5.1	11
121	Waveform and envelope field statistics for waves with stochastically driven amplitudes. <i>Physics of Plasmas</i> , 2010, 17, 032110.	1.9	6
122	The $2\pi f_p$ radiation from localized Langmuir waves. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	46
123	Prediction of background levels for the Wind WAVES instrument and implications for the galactic background radiation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
124	Electric field statistics and modulation characteristics of bursty Langmuir waves observed in the cusp. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	20
125	HELIOSPHERIC ASYMMETRIES AND 2-3 kHz RADIO EMISSION UNDER STRONG INTERSTELLAR MAGNETIC FIELD CONDITIONS. <i>Astrophysical Journal</i> , 2009, 695, L31-L34.	4.5	77
126	Warm electromagnetic lower hybrid wave dispersion relation. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	27

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127	Coupled Langmuir and nonlinear ion acoustic waves in the presence of non-thermal electrons. <i>Journal of Plasma Physics</i> , 2009, 75, 193-202.	2.1	3
128	Plasma Emission at Shocks by the Eigenmode-Antenna Mechanism. , 2009, , .		0
129	Waves in Space Plasmas. <i>AIP Conference Proceedings</i> , 2009, , .	0.4	6
130	Heliospheric asymmetries due to the action of the interstellar magnetic field. <i>Advances in Space Research</i> , 2009, 44, 1337-1344.	2.6	21
131	Pickup ions and the 2–3 kHz radio emissions. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	7
132	Terrestrial foreshock Langmuir waves: STEREO observations, theoretical modeling, and quasi-linear simulations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
133	Automatic recognition of type III solar radio bursts: Automated Radio Burst Identification System method and first observations. <i>Space Weather</i> , 2009, 7, n/a-n/a.	3.7	26
134	Confirmation of quasi-perpendicular shock reformation in two-dimensional hybrid simulations. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	24
135	Simulations of coronal type III solar radio bursts: 3. Effects of beam and coronal parameters. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
136	DIRECT RADIO PROBING AND INTERPRETATION OF THE SUN'S PLASMA DENSITY PROFILE. <i>Astrophysical Journal</i> , 2009, 706, L265-L269.	4.5	33
137	Theoretical modeling for the stereo mission. <i>Space Science Reviews</i> , 2008, 136, 565-604.	8.1	40
138	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 487-528.	8.1	313
139	Draping of the local interstellar magnetic field over the heliopause. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
140	Simulations of coronal type III solar radio bursts: 1. Simulation model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	47
141	Simulations of coronal type III solar radio bursts: 2. Dynamic spectrum for typical parameters. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	31
142	Quasilinear-based simulations of bidirectional type III bursts. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	17
143	Numerical simulation of electron distributions upstream and downstream of high Mach number quasi-perpendicular collisionless shocks. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	8
144	Effects of shock parameters on upstream energetic electron burst events. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	4

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145	Eigenmode Structure in Solar-Wind Langmuir Waves. Physical Review Letters, 2008, 101, 051101.	7.8	84
146	Requirements for testing stochastic wave growth in laboratory plasmas using beam-plasma experiments. Plasma Physics and Controlled Fusion, 2008, 50, 074019.	2.1	2
147	Mode conversion of Langmuir to electromagnetic waves at magnetic field-aligned density inhomogeneities: Simulations, theory, and applications to the solar wind and the corona. Physics of Plasmas, 2008, 15, .	1.9	41
148	Statistics of beam-driven waves in plasmas with ambient fluctuations: Reduced-parameter approach. Physics of Plasmas, 2008, 15, 092110.	1.9	3
149	Properties of lower hybrid waves. Proceedings of the International Astronomical Union, 2008, 4, 569-573.	0.0	5
150	Evidence for Wind-like Regions, Acceleration of Shocks in the Deep Corona, and Relevance of 1/f Dynamic Spectra to Coronal Type II Bursts. Astrophysical Journal, 2008, 677, L129-L132.	4.5	16
151	Statistics of auroral Langmuir waves. Annales Geophysicae, 2008, 26, 3885-3895.	1.6	5
152	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. , 2008, , 487-528.		2
153	Spatiotemporal correlation functions in beam-driven plasmas with fluctuations. Physics of Plasmas, 2007, 14, 122111.	1.9	3
154	Quasilinear dynamics of a cloud of hot electrons propagating through a plasma in the presence of an externally applied uniform electric field. Physics of Plasmas, 2007, 14, 122902.	1.9	6
155	Extraordinary-Mode Radiation Produced by Linear-Mode Conversion of Langmuir Waves. Physical Review Letters, 2007, 99, 015003.	7.8	51
156	Laboratory Evidence for Stochastic Plasma-Wave Growth. Physical Review Letters, 2007, 99, 205004.	7.8	9
157	Propagation of a cloud of hot electrons through a plasma in the presence of Langmuir scattering by ambient density fluctuations. Physics of Plasmas, 2007, 14, 012903.	1.9	9
158	Parallel and lower hybrid turbulence in low β^2 plasmas driven by strong parallel currents and the resulting parallel electron and perpendicular ion energization. Physics of Plasmas, 2007, 14, 012103.	1.9	19
159	Field statistics and correlation functions for stochastically growing waves. Physics of Plasmas, 2007, 14, 042105.	1.9	6
160	Structure of Langmuir and electromagnetic collapsing wave packets in two-dimensional strong plasma turbulence. Physics of Plasmas, 2007, 14, 072304.	1.9	9
161	Multiscale simulations of type III solar radio emission via beam-driven Langmuir waves. AIP Conference Proceedings, 2007, , .	0.4	0
162	Simulation of Energetic Electron Bursts Upstream of Re-forming Shocks. Astrophysical Journal, 2007, 671, 439-446.	4.5	9

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163	Hybrid simulation of reforming shocks with electron mass and pressure tensor effects. Geophysical Research Letters, 2007, 34, .	4.0	6
164	Effects of overshoots on electron distributions upstream and downstream of quasi-perpendicular collisionless shocks. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	6
165	Field distributions and shapes of Langmuir wave packets observed by Ulysses in an interplanetary type III burst source region. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	24
166	Beam-plasma interaction in randomly inhomogeneous plasmas and statistical properties of small-amplitude Langmuir waves in the solar wind and electron foreshock. Journal of Geophysical Research, 2007, 112, .	3.3	27
167	Data-driven solar wind model and prediction of type II bursts. Geophysical Research Letters, 2007, 34, .	4.0	25
168	New regimes of stochastic wave growth: Theory, simulation, and comparison with data. Physics of Plasmas, 2006, 13, 112103.	1.9	11
169	Quasilinear calculation of Langmuir wave generation and beam propagation in the presence of density fluctuations. Physics of Plasmas, 2006, 13, 082305.	1.9	34
170	The local interstellar magnetic field direction from direction-finding measurements of heliospheric ~ 3 kHz radio emissions. AIP Conference Proceedings, 2006, , .	0.4	16
171	Magnetic draping, ~ 3 kHz radio emissions, and constraints on the interstellar magnetic field. AIP Conference Proceedings, 2006, , .	0.4	3
172	Numerical modeling of type III solar radio bursts in the inhomogeneous solar corona and interplanetary medium. Physics of Plasmas, 2006, 13, 092902.	1.9	33
173	Lower hybrid turbulence driven by parallel currents and associated electron energization. Physics of Plasmas, 2006, 13, 052104.	1.9	21
174	Numerical Simulations of Type-III Solar Radio Bursts. Physical Review Letters, 2006, 96, 145005.	7.8	47
175	Statistics of polarization and Stokes parameters: Multiple orthonormal wave populations. Physics of Plasmas, 2006, 13, 012101.	1.9	3
176	Nontrapping Arrest of Langmuir Wave Damping near the Threshold Amplitude. Physical Review Letters, 2006, 96, 175001.	7.8	6
177	Dynamics of fundamental electromagnetic emission via beam-driven Langmuir waves. Physics of Plasmas, 2005, 12, 052324.	1.9	34
178	Angle-averaged efficiencies for linear mode conversion between Langmuir waves and radiation in an unmagnetized plasma. Physics of Plasmas, 2005, 12, 052315.	1.9	17
179	Second harmonic electromagnetic emission via beam-driven Langmuir waves. Physics of Plasmas, 2005, 12, 012103-012103-15.	1.9	38
180	Propagation of a cloud of hot electrons in the regime of fast relaxation. Physics of Plasmas, 2005, 12, 042905.	1.9	13

#	ARTICLE	IF	CITATIONS
181	Prediction of the timing of the 2-3 kHz radio emission within the solar cycle. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	5
182	Type II radio emission predictions: Sources of coronal and interplanetary spectral structure. Journal of Geophysical Research, 2005, 110, .	3.3	52
183	Voyager spectra of density turbulence from 1 AU to the outer heliosphere. Journal of Geophysical Research, 2005, 110, .	3.3	19
184	Planetary foreshock radio emissions. Journal of Geophysical Research, 2005, 110, .	3.3	9
185	Generation of downshifted oscillations in the electron foreshock: A loss-cone instability. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	19
186	Conditions for plasma emission in the solar wind and very local interstellar medium (VLISM). Journal of Geophysical Research, 2005, 110, .	3.3	5
187	Electron acceleration by lower hybrid waves in magnetic reconnection regions. Physics of Plasmas, 2005, 12, 102110.	1.9	64
188	Magnetic Draping and the Source Region for the Outer Heliospheric Radio Emissions. AIP Conference Proceedings, 2004, , .	0.4	0
189	New Regimes of Stochastic Wave Growth. Physical Review Letters, 2004, 93, 235003.	7.8	18
190	Statistics of polarization and Stokes parameters of stochastic waves. Physical Review E, 2004, 70, 036619.	2.1	5
191	Intrinsic variability and field statistics for pulsars B1641-45 and B0950+08. Monthly Notices of the Royal Astronomical Society, 2004, 353, 270-286.	4.4	39
192	Solar, interplanetary, planetary, and related extra-solar system science for LOFAR. Planetary and Space Science, 2004, 52, 1423-1434.	1.7	33
193	Towards a quantitative theory for 2-3 kHz radio emission from beyond the heliopause. Advances in Space Research, 2004, 34, 88-93.	2.6	4
194	Theory for 2-3 kHz radiation from the outer heliosphere. Journal of Geophysical Research, 2004, 109, .	3.3	18
195	A Quantitative model for terrestrial foreshock radio emissions: 1. Predicted properties. Journal of Geophysical Research, 2004, 109, .	3.3	14
196	MHD simulations of Earth's bow shock: Interplanetary magnetic field orientation effects on shape and position. Journal of Geophysical Research, 2004, 109, .	3.3	34
197	Radio emission from mini-magnetospheres on the Moon. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	5
198	Electric field distributions for Langmuir waves in planetary foreshocks. Journal of Geophysical Research, 2004, 109, .	3.3	10

#	ARTICLE	IF	CITATIONS
199	Modeling of Earth's bow shock: Applications. Journal of Geophysical Research, 2004, 109, .	3.3	3
200	Wave damping as a critical phenomenon. Physics of Plasmas, 2004, 11, 4649-4661.	1.9	21
201	Properties and Interpretations of Giant Micropulses and Giant Pulses from Pulsars. Astrophysical Journal, 2004, 610, 948-955.	4.5	39
202	Radio Emission from the Outer Heliosphere and Beyond. Astrophysics and Space Science Library, 2004, , 65-90.	2.7	5
203	Type II Solar Radio Bursts: Theory and Space Weather Implications. Space Science Reviews, 2003, 107, 27-34.	8.1	74
204	Intrinsic variability and field statistics for the Vela pulsar – II. Systematics and single-component fits. Monthly Notices of the Royal Astronomical Society, 2003, 343, 512-522.	4.4	25
205	Intrinsic variability and field statistics for the Vela pulsar – III. Two-component fits and detailed assessment of stochastic growth theory. Monthly Notices of the Royal Astronomical Society, 2003, 343, 523-532.	4.4	12
206	Theoretically predicted properties of type II radio emission from an interplanetary foreshock. Journal of Geophysical Research, 2003, 108, .	3.3	55
207	Three-dimensional modeling of Earth's bow shock: Shock shape as a function of Alfvén Mach number. Journal of Geophysical Research, 2003, 108, .	3.3	31
208	Type II radio emission predictions: Multiple shock ripples and dynamic spectra. Journal of Geophysical Research, 2003, 108, .	3.3	27
209	New constraints and energy conversion efficiencies for plasma emission. Physics of Plasmas, 2003, 10, 3315-3320.	1.9	13
210	Dynamics of beam-driven Langmuir and ion-acoustic waves including electrostatic decay. Physics of Plasmas, 2003, 10, 2748-2762.	1.9	46
211	Banded frequency structure from linear mode conversion in inhomogeneous plasmas. Physics of Plasmas, 2003, 10, 4072-4078.	1.9	14
212	Type II Solar Radio Bursts: Theory and Space Weather Implications. , 2003, , 27-34.		2
213	Field statistics of two vectorially superposed wave populations. Physical Review E, 2002, 66, 066614.	2.1	8
214	Unified theory of monochromatic and broadband modulational and decay instabilities of Langmuir waves. Physics of Plasmas, 2002, 9, 4149-4159.	1.9	12
215	Multiple electron beam propagation and Langmuir wave generation in plasmas. Physics of Plasmas, 2002, 9, 2976-2987.	1.9	40
216	Evidence for Langmuir wave tunneling in the inhomogeneous solar wind. Journal of Geophysical Research, 2002, 107, SSH 17-1.	3.3	7

#	ARTICLE	IF	CITATIONS
217	Turn-on of 2–3 kHz radiation beyond the heliopause. <i>Geophysical Research Letters</i> , 2002, 29, 47-1.	4.0	61
218	A quantitative theory for terrestrial foreshock radio emissions. <i>Geophysical Research Letters</i> , 2002, 29, 2-1-2-4.	4.0	20
219	Analytic model for the electrostatic potential jump across collisionless shocks, with application to Earth's bow shock. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 11-1-SSH 11-10.	3.3	18
220	The “injection problem” for quasiparallel shocks. <i>Physics of Plasmas</i> , 2001, 8, 4560-4576.	1.9	40
221	Stochastic growth theory of spatially-averaged distributions of Langmuir Fields in Earth's foreshock. <i>Geophysical Research Letters</i> , 2001, 28, 3569-3572.	4.0	13
222	Predicted timing for the turn-on of radiation in the outer heliosphere due to the Bastille Day shock. <i>Journal of Geophysical Research</i> , 2001, 106, 29363-29372.	3.3	15
223	Stochastic growth of waves over Earth's polar cap. <i>Journal of Geophysical Research</i> , 2001, 106, 29515-29529.	3.3	29
224	Theory of type II radio emission from the foreshock of an interplanetary shock. <i>Journal of Geophysical Research</i> , 2001, 106, 25041-25051.	3.3	83
225	Mode Conversion and Reflection of Langmuir Waves in an Inhomogeneous Solar Wind. <i>Publications of the Astronomical Society of Australia</i> , 2001, 18, 355-360.	3.4	29
226	Lower Hybrid Drive in Solar Magnetic Reconnection Regions: Implications for Electron Acceleration and Solar Heating. <i>Publications of the Astronomical Society of Australia</i> , 2001, 18, 336-344.	3.4	9
227	Intrinsic Variability of the Vela Pulsar: Lognormal Statistics and Theoretical Implications. <i>Astrophysical Journal</i> , 2001, 563, L65-L68.	4.5	56
228	Pickup Ion Turbulence: A Stochastic Growth Model ¹¹ This work supported in part by NASA grants NAG5-6469, NAG5-7796, an NSF-DOE award ATM-0078650, an NSF award ATM-0072810.. <i>COSPAR Colloquia Series</i> , 2001, , 125-128.	0.2	0
229	Theories for Radio Emissions From the Outer Heliosphere. <i>COSPAR Colloquia Series</i> , 2001, , 253-262.	0.2	6
230	Stochastic growth of ion cyclotron and mirror waves in Earth's magnetosheath. <i>Physical Review E</i> , 2001, 64, 056408.	2.1	18
231	Stochastic growth of localized plasma waves. <i>Physics of Plasmas</i> , 2001, 8, 2394-2400.	1.9	24
232	Progress on Coronal, Interplanetary, Foreshock, and Outer Heliospheric Radio Emissions. <i>Publications of the Astronomical Society of Australia</i> , 2000, 17, 22-34.	3.4	21
233	Theory of type III and type II solar radio emissions. <i>Geophysical Monograph Series</i> , 2000, , 37-45.	0.1	15
234	Roles played by electrostatic waves in producing radio emissions. <i>Geophysical Monograph Series</i> , 2000, , 27-36.	0.1	4

#	ARTICLE	IF	CITATIONS
235	Role of collective effects in dominance of scattering off thermal ions over Langmuir wave decay: Analysis, simulations, and space applications. Physics of Plasmas, 2000, 7, 4901-4915.	1.9	30
236	Thermal and driven stochastic growth of Langmuir waves in the solar wind and Earth's foreshock. Geophysical Research Letters, 2000, 27, 61-64.	4.0	39
237	Type II flare continuum in the corona and solar wind. Journal of Geophysical Research, 2000, 105, 18215-18223.	3.3	28
238	Generalized Langmuir waves in magnetized kinetic plasmas. Physics of Plasmas, 2000, 7, 3167-3180.	1.9	42
239	Pickup Ionâ€driven Turbulence in the Polar Heliosphere: A Stochastic Growth Model. Astrophysical Journal, 2000, 541, 489-494.	4.5	15
240	Strong Evidence for Stochastic Growth of Langmuir-like Waves in Earth's Foreshock. Physical Review Letters, 1999, 82, 3066-3069.	7.8	81
241	Measurement of the Plasma Density Using the Intensification of z-Mode Waves at the Electron Plasma Frequency. Physical Review Letters, 1999, 82, 564-567.	7.8	7
242	First theoretical predictions for dynamic spectra of the outer heliospheric radio emissions. Geophysical Research Letters, 1999, 26, 2605-2608.	4.0	6
243	Electron temperature anisotropy instabilities: Whistler, electrostatic and z mode. Journal of Geophysical Research, 1999, 104, 19835-19842.	3.3	30
244	Title is missing!. , 1998, 181, 363-394.		121
245	Title is missing!. , 1998, 181, 429-437.		48
246	Title is missing!. , 1998, 181, 395-428.		70
247	Arguments against modulational instabilities of Langmuir waves in Earth's foreshock. Journal of Geophysical Research, 1998, 103, 287-299.	3.3	36
248	Statistical study of emissions near ω_{pe} and $2\omega_{pe}$ in the dayside and nightside auroral region and polar cap. Journal of Geophysical Research, 1998, 103, 14925-14938.	3.3	6
249	Constraints on Nonlinear and Stochastic Growth Theories for Type III Solar Radio Bursts from the Corona to 1 AU. Astrophysical Journal, 1998, 509, 471-481.	4.5	38
250	Angular Broadening: Effects of Nonzero, Spatially Varying Plasma Frequency between the Source and Observer. Astrophysical Journal, 1998, 506, 456-463.	4.5	19
251	Observations of the parametric decay instability of nonlinear magnetohydrodynamic waves. Physics of Plasmas, 1997, 4, 846-855.	1.9	41
252	Foreshock Langmuir waves for unusually constant solar wind conditions: Data and implications for foreshock structure. Journal of Geophysical Research, 1997, 102, 24249-24264.	3.3	23

#	ARTICLE	IF	CITATIONS
253	First test of stochastic growth theory for Langmuir waves in Earth's foreshock. Geophysical Research Letters, 1997, 24, 369-372.	4.0	51
254	Radiation near 2 \mathcal{E}' and intensified emissions near \mathcal{E}' in the dayside and nightside auroral region and polar cap. Journal of Geophysical Research, 1997, 102, 4787-4798.	3.3	17
255	Reply [to "Comments on "Towards an MHD theory for the standoff distance of Earth's bow shock" by I. H. Cairns and C. L. Grabbe]. Geophysical Research Letters, 1996, 23, 311-314.	4.0	8
256	Interstellar pickup ions and quasi-perpendicular shocks: Implications for the termination shock and interplanetary shocks. Journal of Geophysical Research, 1996, 101, 457-477.	3.3	346
257	Reply [to "Comment on "Unusual locations of Earth's bow shock on September 24-25, 1987: Mach number effects" by I. H. Cairns, D. H. Fairfield, R. R. Anderson, V. E. H. Carlton, K. I. Paularena, and A. J. Lazarus]. Journal of Geophysical Research, 1996, 101, 7679-7684.	3.3	6
258	A study of Uranus' bow shock motions using Langmuir waves. Journal of Geophysical Research, 1996, 101, 7659-7676.	3.3	5
259	Magnetic field orientation effects on the standoff distance of Earth's bow shock. Geophysical Research Letters, 1996, 23, 2883-2886.	4.0	38
260	On radio wave scattering in the outer heliosphere. AIP Conference Proceedings, 1996, , .	0.4	4
261	The termination shock: Physical processes. Advances in Space Research, 1995, 15, 453-462.	2.6	21
262	Unusual locations of Earth's bow shock on September 24-25, 1987: Mach number effects. Journal of Geophysical Research, 1995, 100, 47.	3.3	65
263	Maximum Langmuir fields in planetary foreshocks determined from the electrostatic decay threshold. Geophysical Research Letters, 1995, 22, 2657-2660.	4.0	31
264	Radio wave scattering in the outer heliosphere: Preliminary calculations. Geophysical Research Letters, 1995, 22, 3433-3436.	4.0	16
265	Inconsistency of Ulysses millisecond Langmuir spikes with wave collapse in type III radio sources. Geophysical Research Letters, 1995, 22, 3437-3440.	4.0	27
266	MHD simulations of Earth's bow shock at low Mach numbers: Standoff distances. Journal of Geophysical Research, 1995, 100, 17173.	3.3	54
267	Analytic MHD theory for Earth's bow shock at low Mach numbers. Journal of Geophysical Research, 1995, 100, 19941.	3.3	14
268	Ion Acoustic Wave Frequencies and Onset Times during Type III Solar Radio Bursts. Astrophysical Journal, 1995, 453, 959.	4.5	44
269	Detectability of Electrostatic Decay Products in [ITAL]Ulysses[/ITAL] and [ITAL]Galileo[/ITAL] Observations of Type III Solar Radio Sources. Astrophysical Journal, 1995, 449, .	4.5	8
270	Fundamental and harmonic radiation in type III solar radio bursts. Solar Physics, 1994, 154, 335-360.	2.5	37

#	ARTICLE	IF	CITATIONS
271	Towards an MHD theory for the standoff distance of Earth's bow shock. Geophysical Research Letters, 1994, 21, 2781-2784.	4.0	47
272	Radio emissions and the heliospheric termination shock. Journal of Geophysical Research, 1994, 99, 14729.	3.3	19
273	Fine structure in plasma waves and radiation near the plasma frequency in Earth's foreshock. Journal of Geophysical Research, 1994, 99, 23505.	3.3	13
274	Dynamics and efficiency of type III solar radio emission. Astrophysical Journal, 1994, 422, 870.	4.5	94
275	Foreshock theories for the outer heliospheric radio emissions. Advances in Space Research, 1993, 13, 205-208.	2.6	4
276	Clumpy Langmuir waves in type III radio sources - Comparison of stochastic-growth theory with observations. Astrophysical Journal, 1993, 407, 790.	4.5	123
277	Dynamics of Langmuir and ion-sound waves in type III solar radio sources. Astrophysical Journal, 1993, 408, 720.	4.5	109
278	Stochastic Growth Theory of Type III Solar Radio Emission. Astrophysical Journal, 1993, 418, 506.	4.5	57
279	strong Langmuir turbulence at Jupiter?. Geophysical Research Letters, 1992, 19, 1069-1072.	4.0	31
280	Theory for low-frequency modulated Langmuir wave packets. Geophysical Research Letters, 1992, 19, 2187-2190.	4.0	62
281	Outer heliospheric radio emissions: 2. Foreshock source models. Journal of Geophysical Research, 1992, 97, 6245-6259.	3.3	23
282	Interference patterns in the Spacelab 2 plasma wave data: Oblique electrostatic waves generated by the electron beam. Journal of Geophysical Research, 1992, 97, 17005-17018.	3.3	12
283	Outer heliospheric radio emissions: 1. Constraints on emission processes and the source region. Journal of Geophysical Research, 1992, 97, 6235-6244.	3.3	26
284	Plasma wave observations at Neptune. Advances in Space Research, 1992, 12, 47-54.	2.6	10
285	Connection between ambient density fluctuations and clumpy Langmuir waves in type III radio sources. Astrophysical Journal, 1992, 387, L101.	4.5	45
286	Plasma wave generation near the inner heliospheric shock. Geophysical Research Letters, 1991, 18, 357-360.	4.0	24
287	Low-frequency radio emissions in the outer heliosphere. Journal of Geophysical Research, 1991, 96, 3801-3806.	3.3	19
288	Control of plasma waves associated with the space shuttle by the angle between the orbiter's Velocity vector and the magnetic field. Journal of Geophysical Research, 1991, 96, 7591-7601.	3.3	21

#	ARTICLE	IF	CITATIONS
289	Plasma waves observed in the near vicinity of the space shuttle. Journal of Geophysical Research, 1991, 96, 13913-13929.	3.3	17
290	Whistlers in Neptune's magnetosphere: Evidence of atmospheric lightning. Journal of Geophysical Research, 1990, 95, 20967-20976.	3.3	91
291	Low-frequency radio emissions at Neptune. Geophysical Research Letters, 1990, 17, 1649-1652.	4.0	18
292	Electrostatic electron and ion cyclotron harmonic waves in Neptune's magnetosphere. Geophysical Research Letters, 1990, 17, 1657-1660.	4.0	22
293	Electrostatic wave generation above and below the plasma frequency by electron beams. Physics of Fluids B, 1989, 1, 204-213.	1.7	40
294	First Plasma Wave Observations at Neptune. Science, 1989, 246, 1494-1498.	12.6	91
295	A theory for the radiation at the third to fifth harmonics of the plasma frequency upstream from the Earth's bow shock. Journal of Geophysical Research, 1988, 93, 858-866.	3.3	25
296	A semiquantitative theory for the $2\omega_{pe}$ radiation observed upstream from the Earth's bow shock. Journal of Geophysical Research, 1988, 93, 3958-3968.	3.3	48
297	Growth of electron plasma waves above and below ω_{pe} in the electron foreshock. Journal of Geophysical Research, 1988, 93, 7307-7317.	3.3	32
298	Fundamental plasma emission involving ion sound waves. Journal of Plasma Physics, 1987, 38, 169-178.	2.1	70
299	Second harmonic plasma emission involving ion sound waves. Journal of Plasma Physics, 1987, 38, 179-198.	2.1	72
300	Third and higher harmonic plasma emission due to Raman scattering. Journal of Plasma Physics, 1987, 38, 199-208.	2.1	17
301	The electron distribution function upstream from the Earth's bow shock. Journal of Geophysical Research, 1987, 92, 2315-2327.	3.3	86
302	A theory for the Langmuir waves in the electron foreshock. Journal of Geophysical Research, 1987, 92, 2329-2342.	3.3	46
303	Herringbone bursts associated with type II solar radio emission. Solar Physics, 1987, 111, 365-383.	2.5	63
304	New waves at multiples of the plasma frequency upstream of the Earth's bow shock. Journal of Geophysical Research, 1986, 91, 2975-2988.	3.3	67
305	The Source of Free Energy for Type II Solar Radio Bursts. Publications of the Astronomical Society of Australia, 1986, 6, 444-446.	3.4	36
306	A theory for the $2\omega_{pe}$ radiation upstream of the Earth's bow shock. Journal of Geophysical Research, 1985, 90, 6637-6640.	3.3	91