

# Iver Cairns

## List of Publications by Year in descending order

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306  
papers

7,833  
citations

71004

43  
h-index

111975

67  
g-index

310  
all docs

310  
docs citations

310  
times ranked

3055  
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.	1.6	4
2	High bandwidth measurements of auroral Langmuir waves with multiple antennas. <i>Annales Geophysicae</i> , 2022, 40, 231-245.	0.6	4
3	OpenHSI: A Complete Open-Source Hyperspectral Imaging Solution for Everyone. <i>Remote Sensing</i> , 2022, 14, 2244.	1.8	9
4	Shocks in the Very Local Interstellar Medium. <i>Space Science Reviews</i> , 2022, 218, 27.	3.7	13
5	Type-III Electron Beams: 3D Quasilinear Effects. <i>Solar Physics</i> , 2021, 296, 1.	1.0	5
6	TRICE 2 Observations of Low-Energy Magnetospheric Ions Within the Cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029382.	0.8	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.	0.8	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.	0.3	2
9	Reconnection at the Heliopause: Comparing the Voyager 1 and 2 Heliopause Crossings. <i>Journal of Physics: Conference Series</i> , 2020, 1620, 012004.	0.3	4
10	The INSPIRE-2 CubeSat for the QB50 Project. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	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.	1.0	7
12	Electron-Langmuir wave resonance in three dimensions. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	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.	0.8	0
14	Spectropolarimetric Imaging of Metric Type III Solar Radio Bursts. <i>Solar Physics</i> , 2020, 295, 1.	1.0	8
15	A Flare-type IV Burst Event from Proxima Centauri and Implications for Space Weather. <i>Astrophysical Journal</i> , 2020, 905, 23.	1.6	37
16	The Low-Frequency Solar Corona in Circular Polarization. <i>Solar Physics</i> , 2019, 294, 1.	1.0	24
17	Mapping Magnetic Field Lines for an Accelerating Solar Wind. <i>Solar Physics</i> , 2019, 294, 1.	1.0	3
18	Statistical Study of Electron Bunching in Auroral Langmuir Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5956-5975.	0.8	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.	1.6	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.	1.6	23
21	On the Relative Brightness of Coronal Holes at Low Frequencies. <i>Solar Physics</i> , 2019, 294, 1.	1.0	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.	0.3	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, .	1.3	29
24	Low Altitude Solar Magnetic Reconnection, Type III Solar Radio Bursts, and X-ray Emissions. <i>Scientific Reports</i> , 2018, 8, 1676.	1.6	38
25	A Generalized Equatorial Model for the Accelerating Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1061-1085.	0.8	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.	0.3	2
28	The Phase II Murchison Widefield Array: Design overview. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, .	1.3	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.	0.8	3
31	Densities Probed by Coronal Type III Radio Burst Imaging. <i>Solar Physics</i> , 2018, 293, 1.	1.0	27
32	Kinematics of electrostatic 3-wave decay of generalized Langmuir waves in magnetized plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	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.	0.8	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.	1.6	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, .	1.3	45
36	Radial transport of radiation belt electrons in kinetic field-line resonances. <i>Geophysical Research Letters</i> , 2017, 44, 8140-8148.	1.5	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.	1.6	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.	1.3	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.	0.8	12
40	Mapping magnetic field lines between the Sun and Earth. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 925-948.	0.8	13
41	Magnetic field inversions at 1 AU: Comparisons between mapping predictions and observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,728.	0.8	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.	0.8	7
43	A new angle for probing field-aligned irregularities with the Murchison Widefield Array. <i>Radio Science</i> , 2016, 51, 659-679.	0.8	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.	0.8	3
45	Quantitative prediction of type II solar radio emission from the Sun to 1 AU. <i>Geophysical Research Letters</i> , 2016, 43, 50-57.	1.5	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.	0.8	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.	0.8	14
48	Coronal magnetic field profiles from shock-CME standoff distances. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9299-9315.	0.8	10
49	Demonstration of a viable quantitative theory for interplanetary type II radio bursts. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	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.	3.0	19
51	Power spectrum analysis of ionospheric fluctuations with the Murchison Widefield Array. <i>Radio Science</i> , 2015, 50, 574-597.	0.8	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.	1.5	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.	0.3	2

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55	Plasma properties at the Voyager 1 crossing of the heliopause. Journal of Physics: Conference Series, 2015, 642, 012010.	0.3	4
56	The Langmuir waves associated with the 1 December 2013 type II burst. Journal of Geophysical Research: Space Physics, 2015, 120, 4126-4141.	0.8	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.	1.6	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.	1.5	8
60	PRODUCTION OF FINE STRUCTURES IN TYPE III SOLAR RADIO BURSTS DUE TO TURBULENT DENSITY PROFILES. Astrophysical Journal, 2014, 790, 67.	1.6	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.	1.0	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.	0.8	40
63	Harmonic waves and sheath rectification in type III solar radio bursts. Journal of Geophysical Research: Space Physics, 2014, 119, 723-741.	0.8	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.	0.8	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.	0.8	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.	0.8	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.	0.8	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.	0.7	1
70	Constraints on the Formation and Structure of Langmuir Eigenmodes in the Solar Wind. Physical Review Letters, 2013, 111, 121101.	2.9	16
71	Langmuir waves and electrostatic decay in the solar wind. Geophysical Research Letters, 2013, 40, 1934-1939.	1.5	10
72	Electrostatic decay of Langmuir/whistler mode waves in type III solar radio bursts. Journal of Geophysical Research: Space Physics, 2013, 118, 3968-3984.	0.8	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. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	12
74	Type III bursts produced by power law injected electrons in Maxwellian background coronal plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4748-4759.	0.8	22
75	Langmuir wave harmonics due to driven nonlinear currents. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6880-6888.	0.8	15
76	Science with the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	1.3	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>i&gt;IBEX&lt;/i&gt; RIBBON, AND THE THREE-DIMENSIONAL SHAPE OF THE HELIOPAUSE. <i>Astrophysical Journal</i>, 2013, 771, 83.</i>	1.6	32
79	TYPE III RADIO BURSTS IN CORONAL PLASMAS WITH KAPPA PARTICLE DISTRIBUTIONS. <i>Astrophysical Journal Letters</i> , 2013, 763, L34.	3.0	19
80	PREDICTION OF TYPE II SOLAR RADIO BURSTS BY THREE-DIMENSIONAL MHD CORONAL MASS EJECTION AND KINETIC RADIO EMISSION SIMULATIONS. <i>Astrophysical Journal Letters</i> , 2013, 773, L30.	3.0	17
81	Electrostatic Decay in a Weakly Magnetized Plasma. <i>Physical Review Letters</i> , 2013, 110, 185001.	2.9	11
82	Linear mode conversion of Langmuir/z-mode waves to radiation in plasmas with various magnetic field strength. <i>Physics of Plasmas</i> , 2013, 20, 122103.	0.7	15
83	Propagation of radiation in fluctuating multiscale plasmas. II. Kinetic simulations. <i>Physics of Plasmas</i> , 2012, 19, 113304.	0.7	2
84	Three-dimensional electromagnetic strong turbulence: Dependence of the statistics and dynamics of strong turbulence on the electron to ion temperature ratio. <i>Physics of Plasmas</i> , 2012, 19, 022306.	0.7	2
85	Beam-driven three-dimensional electromagnetic strong turbulence. <i>Physics of Plasmas</i> , 2012, 19, 082301.	0.7	3
86	Propagation of radiation in fluctuating multiscale plasmas. I. Kinetic theory. <i>Physics of Plasmas</i> , 2012, 19, 113303.	0.7	1
87	The i-INSPIRE satellite: a university pico-satellite project. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
88	EVIDENCE AGAINST THE OSCILLATING TWO-STREAM INSTABILITY AND SPATIAL COLLAPSE OF LANGMUIR WAVES IN SOLAR TYPE III RADIO BURSTS. <i>Astrophysical Journal Letters</i> , 2012, 753, L18.	3.0	44
89	TYPE III RADIO BURSTS PERTURBED BY WEAK CORONAL SHOCKS. <i>Astrophysical Journal</i> , 2012, 753, 124.	1.6	12
90	Type II radio bursts: 2. Application of the new analytic formalism. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39

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91	Nonzero azimuthal magnetic fields at the solar source surface: Extraction, model, and implications. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	12
92	Do Langmuir wave packets in the solar wind collapse?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
93	Type II solar radio bursts: Modeling and extraction of shock parameters. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
94	Type II solar radio bursts: 2. Detailed comparison of theory with observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
95	Type II radio bursts: 1. New entirely analytic formalism for the electron beams, Langmuir waves, and radio emission. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
96	ANTENNA RADIATION NEAR THE LOCAL PLASMA FREQUENCY BY LANGMUIR WAVE EIGENMODES. <i>Astrophysical Journal</i> , 2012, 755, 45.	1.6	25
97	Exact evaluation of the quadratic longitudinal response function for an unmagnetized Maxwellian plasma. <i>Physics of Plasmas</i> , 2012, 19, 072308.	0.7	3
98	Frequency Fine Structures of Type III Bursts Due to Localized Medium-Scale Density Structures Along Paths of Type III Beams. <i>Solar Physics</i> , 2012, 279, 173-196.	1.0	23
99	RIEGER-TYPE PERIODICITY IN THE OCCURRENCE OF SOLAR TYPE III RADIO BURSTS. <i>Astrophysical Journal Letters</i> , 2012, 754, L28.	3.0	12
100	Constraints on coronal turbulence models from source sizes of noise storms at 327 MHz. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	16
101	Evidence for reformation of the Uranian bow shock: Hybrid simulations and comparisons with Voyager data. <i>Journal of Geophysical Research</i> , 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. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	35
103	Modeling 1 AU solar wind observations to estimate azimuthal magnetic fields at the solar source surface. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	15
104	Changes in mode properties versus mode conversion for waves in Earth's auroral ionosphere. <i>Journal of Geophysical Research</i> , 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. <i>Space Weather</i> , 2011, 9, .	1.3	17
106	Coherent Radio Emissions Associated with Solar System Shocks. , 2011, , 267-338.		24
107	DECIMETRIC TYPE III BURSTS: GENERATION AND PROPAGATION. <i>Astrophysical Journal Letters</i> , 2011, 738, L9.	3.0	22
108	SOLAR CYCLE VARIATIONS OF THE OCCURRENCE OF CORONAL TYPE III RADIO BURSTS AND A NEW SOLAR ACTIVITY INDEX. <i>Astrophysical Journal Letters</i> , 2011, 736, L20.	3.0	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.	3.0	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.	1.6	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.	1.6	22
112	A resistive instability of lower hybrid-like waves in regions with parallel currents. <i>Physics of Plasmas</i> , 2011, 18, 082103.	0.7	1
113	Reactive instabilities of lower hybrid-like waves in regions with parallel currents. <i>Physics of Plasmas</i> , 2011, 18, 052111.	0.7	2
114	Three-dimensional electromagnetic strong turbulence. I. Scalings, spectra, and field statistics. <i>Physics of Plasmas</i> , 2011, 18, 062301.	0.7	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, .	0.7	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, .	0.7	4
118	EVIDENCE FOR GENTLY SLOPING PLASMA DENSITY PROFILES IN THE DEEP CORONA: TYPE III OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 724, 1099-1107.	1.6	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.	3.0	29
120	Imprints of coronal temperature disturbances on type III bursts. <i>Astronomy and Astrophysics</i> , 2010, 510, L6.	2.1	11
121	Waveform and envelope field statistics for waves with stochastically driven amplitudes. <i>Physics of Plasmas</i> , 2010, 17, 032110.	0.7	6
122	The $2f_p$ 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.	1.6	77
126	Warm electromagnetic lower hybrid wave dispersion relation. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	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.	0.7	3
128	Plasma Emission at Shocks by the Eigenmode-Antenna Mechanism. , 2009, , .		0
129	Waves in Space Plasmas. <i>AIP Conference Proceedings</i> , 2009, , .	0.3	6
130	Heliospheric asymmetries due to the action of the interstellar magnetic field. <i>Advances in Space Research</i> , 2009, 44, 1337-1344.	1.2	21
131	Pickup ions and the 2-3 kHz radio emissions. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	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.	1.3	26
134	Confirmation of quasi-perpendicular shock reformation in two-dimensional hybrid simulations. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	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.	1.6	33
137	Theoretical modeling for the stereo mission. <i>Space Science Reviews</i> , 2008, 136, 565-604.	3.7	40
138	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 487-528.	3.7	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. <i>Physical Review Letters</i> , 2008, 101, 051101.	2.9	84
146	Requirements for testing stochastic wave growth in laboratory plasmas using beam-driven plasma experiments. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 074019.	0.9	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. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	41
148	Statistics of beam-driven waves in plasmas with ambient fluctuations: Reduced-parameter approach. <i>Physics of Plasmas</i> , 2008, 15, 092110.	0.7	3
149	Properties of lower hybrid waves. <i>Proceedings of the International Astronomical Union</i> , 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. <i>Astrophysical Journal</i> , 2008, 677, L129-L132.	1.6	16
151	Statistics of auroral Langmuir waves. <i>Annales Geophysicae</i> , 2008, 26, 3885-3895.	0.6	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. <i>Physics of Plasmas</i> , 2007, 14, 122111.	0.7	3
154	Quasilinear dynamics of a cloud of hot electrons propagating through a plasma in the presence of an externally applied uniform electric field. <i>Physics of Plasmas</i> , 2007, 14, 122902.	0.7	6
155	Extraordinary-Mode Radiation Produced by Linear-Mode Conversion of Langmuir Waves. <i>Physical Review Letters</i> , 2007, 99, 015003.	2.9	51
156	Laboratory Evidence for Stochastic Plasma-Wave Growth. <i>Physical Review Letters</i> , 2007, 99, 205004.	2.9	9
157	Propagation of a cloud of hot electrons through a plasma in the presence of Langmuir scattering by ambient density fluctuations. <i>Physics of Plasmas</i> , 2007, 14, 012903.	0.7	9
158	Parallel and lower hybrid turbulence in low $\beta^2$ plasmas driven by strong parallel currents and the resulting parallel electron and perpendicular ion energization. <i>Physics of Plasmas</i> , 2007, 14, 012103.	0.7	19
159	Field statistics and correlation functions for stochastically growing waves. <i>Physics of Plasmas</i> , 2007, 14, 042105.	0.7	6
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161	Multiscale simulations of type III solar radio emission via beam-driven Langmuir waves. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
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