Bruce Goldstein

List of Publications by Year
in descending order

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150 papers	8,187 citations	36303 51 h-index	49909 87 g-index
151 all docs	151 docs citations	151 times ranked	2713 citing authors

#	Article	IF	Citations
1	Solar wind observations over Ulysses' first full polar orbit. Journal of Geophysical Research, 2000, 105, 10419-10433.	3.3	421
2	Weaker solar wind from the polar coronal holes and the whole Sun. Geophysical Research Letters, 2008, 35, .	4.0	390
3	Ion composition and dynamics at comet Halley. Nature, 1986, 321, 330-334.	27.8	371
4	Ulysses solar wind plasma observations from pole to pole. Geophysical Research Letters, 1995, 22, 3301-3304.	4.0	291
5	Ulysses' return to the slow solar wind. Geophysical Research Letters, 1998, 25, 1-4.	4.0	250
6	The three-dimensional solar wind around solar maximum. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	239
7	Ulysses observations of a recurrent high speed solar wind stream and the heliomagnetic streamer belt. Geophysical Research Letters, 1993, 20, 2323-2326.	4.0	188
8	Ulysses Solar Wind Plasma Observations at High Southerly Latitudes. Science, 1995, 268, 1030-1033.	12.6	185
9	Evolution of the solar wind proton temperature anisotropy from 0.3 to 2.5 AU. Geophysical Research Letters, 2007, 34, .	4.0	177
10	A reexamination of rotational and tangential discontinuities in the solar wind. Journal of Geophysical Research, 1984, 89, 5395-5408.	3.3	176
11	Ulysses field and plasma observations of magnetic holes in the solar wind and their relation to mirror-mode structures. Journal of Geophysical Research, 1994, 99, 23371.	3.3	170
12	The nonlinear response of AE to the IMF B_S driver: A spectral break at 5 hours. Geophysical Research Letters, 1990, 17, 279-282.	4.0	159
13	Latitudinal variation of solar wind corotating stream interaction regions: Ulysses. Geophysical Research Letters, 1993, 20, 2789-2792.	4.0	148
14	Disappearance of the heliospheric sector structure at Ulysses. Geophysical Research Letters, 1993, 20, 2327-2330.	4.0	138
15	Ulysses at 50Â° south: constant immersion in the high-speed solar wind. Geophysical Research Letters, 1994, 21, 1105-1108.	4.0	126
16	Properties of magnetohydrodynamic turbulence in the solar wind as observed by Ulysses at high heliographic latitudes. Geophysical Research Letters, 1995, 22, 3393-3396.	4.0	122
17	The relationship between interplanetary discontinuities and AlfvÃ©n waves: Ulysses observations. Geophysical Research Letters, 1994, 21, 2267-2270.	4.0	121
18	A new class of forward-reverse shock pairs in the solar wind. Geophysical Research Letters, 1994, 21, 2271-2274.	4.0	119

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19	The onset and development of Kelvinâ€Helmholtz instability at the Venus ionopause. Journal of Geophysical Research, 1980, 85, 7697-7707.	3.3	116
20	Wave normal directions of chorus near the equatorial source region. Journal of Geophysical Research, 1984, 89, 2789-2810.	3.3	108
21	Ulysses observations of microstreams in the solar wind from coronal holes. Journal of Geophysical Research, 1995, 100, 23389.	3.3	99
22	A forward-reverse shock pair in the solar wind driven by over-expansion of a coronal mass ejection: Ulysses observations. Geophysical Research Letters, 1994, 21, 237-240.	4.0	93
23	Interplanetary AlfvÃ©n waves and auroral (substorm) activity: IMP 8. Journal of Geophysical Research, 1990, 95, 2241-2252.	3.3	90
24	Ulysses observations of differential alpha-proton streaming in the solar wind. Journal of Geophysical Research, 1996, 101, 17047-17055.	3.3	90
25	Ulysses' second fast-latitude scan: Complexity near solar maximum and the reformation of polar coronal holes. Geophysical Research Letters, 2002, 29, 4-1-4-4.	4.0	90
26	AlfvÃ©n wave propagation and ion cyclotron interactions in the expanding solar wind: One-dimensional hybrid simulations. Journal of Geophysical Research, 2001, 106, 29261-29281.	3.3	89
27	Interplanetary shock waves: Ulysses observations in and out of the ecliptic plane. Space Science Reviews, 1995, 72, 171-180.	8.1	87
28	Nonlinear AlfvÃ©n waves, discontinuities, proton perpendicular acceleration, and magnetic holes/decreases in interplanetary space and the magnetosphere: intermediate shocks?. Nonlinear Processes in Geophysics, 2005, 12, 321-336.	1.3	84
29	Dependence of solar wind speed on the local magnetic field orientation: Role of AlfvÃ©nic fluctuations. Geophysical Research Letters, 2014, 41, 259-265.	4.0	83
30	Jupiter's Magnetosphere: Plasma Description from the Ulysses Flyby. Science, 1992, 257, 1539-1543.	12.6	82
31	Counterstreaming suprathermal electron events upstream of corotating shocks in the solar wind beyond â^¼2 Au: Ulysses. Geophysical Research Letters, 1993, 20, 2335-2338.	4.0	81
32	Large amplitude IMF fluctuations in corotating interaction regions: Ulysses at midlatitudes. Geophysical Research Letters, 1995, 22, 3397-3400.	4.0	80
33	Observed constraint on proton-proton relative velocities in the solar wind. Geophysical Research Letters, 2000, 27, 53-56.	4.0	80
34	Mercury: Magnetospheric processes and the atmospheric supply and loss rates. Journal of Geophysical Research, 1981, 86, 5485-5499.	3.3	76
35	Solar Wind Stream Interactions and the Wind Speedâ€“Expansion Factor Relationship. Astrophysical Journal, 1997, 488, L51-L54.	4.5	75
36	The band of solar wind variability at low heliographic latitudes near solar activity minimum: Plasma results from the Ulysses rapid latitude scan. Geophysical Research Letters, 1995, 22, 3329-3332.	4.0	71

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37	A CMEâ€driven solar wind disturbance observed at both low and high heliographic latitudes. Geophysical Research Letters, 1995, 22, 1753-1756.	4.0	69
38	Signatures of kinetic instabilities in the solar wind. Journal of Geophysical Research: Space Physics, 2013, 118, 2771-2782.	2.4	68
39	Intermittent turbulence in solar wind from the south polar hole. Journal of Geophysical Research, 1995, 100, 3395-3403.	3.3	67
40	Phase-steepened AlfvÃ©n waves, proton perpendicular energization and the creation of magnetic holes and magnetic decreases: The ponderomotive force. Geophysical Research Letters, 2002, 29, 86-1-86-4.	4.0	66
41	Helium energetics in the high-latitude solar wind: Ulysses observations. Journal of Geophysical Research, 2001, 106, 5693-5708.	3.3	64
42	Hybrid simulations of the effects of interstellar pickup hydrogen on the solar wind termination shock. Journal of Geophysical Research, 1993, 98, 15211-15220.	3.3	63
43	Ion distributions in large magnetic holes in the fast solar wind. Journal of Geophysical Research, 2001, 106, 5635-5648.	3.3	63
44	Direct Measurements of Solar-Wind Fluctuations Between 0.0048 and 13.3 HZ. Astrophysical Journal, 1973, 180, 591.	4.5	61
45	Generation mechanism for magnetic holes in the solar wind. Geophysical Research Letters, 2001, 28, 1355-1358.	4.0	59
46	Features observed in the trailing regions of interplanetary clouds from coronal mass ejections. Journal of Geophysical Research, 1997, 102, 19743-19751.	3.3	57
47	An east-west asymmetry in the solar wind velocity. Journal of Geophysical Research, 1969, 74, 1759-1762.	3.3	55
48	Compression of the Hermaean magnetosphere by the solar wind. Journal of Geophysical Research, 1979, 84, 3306-3312.	3.3	55
49	Solar wind corotating stream interaction regions out of the ecliptic plane: Ulysses. Space Science Reviews, 1995, 72, 99-104.	8.1	55
50	Effects of stream-associated fluctuations upon the radial variation of average solar wind parameters. Journal of Geophysical Research, 1977, 82, 1095-1105.	3.3	53
51	Interplanetary discontinuities and AlfvÃ©n waves at high heliographic latitudes: Ulysses. Journal of Geophysical Research, 1996, 101, 11027-11038.	3.3	53
52	Consequences of proton and alpha anisotropies in the solar wind: Hybrid simulations. Journal of Geophysical Research, 2003, 108, .	3.3	51
53	Encounter of theUlyssesSpacecraft with the Ion Tail of Comet McNaught. Astrophysical Journal, 2007, 667, 1262-1266.	4.5	51
54	Magnetic holes in the solar wind and their relation to mirror-mode structures. Space Science Reviews, 1995, 72, 201-204.	8.1	48

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55	The northern edge of the band of solar wind variability: Ulysses at â^¼4.5 AU. Geophysical Research Letters, 1997, 24, 309-312.	4.0	47
56	Ulysses high-latitude observations of ions accelerated by co-rotating interaction regions. Geophysical Research Letters, 1994, 21, 1113-1116.	4.0	46
57	AlfvÃ©n waves, alpha particles, and pickup ions in the solar wind. Geophysical Research Letters, 1995, 22, 3389-3392.	4.0	45
58	AlfvÃ©n wave heating of heavy ions in the expanding solar wind: Hybrid simulations. Journal of Geophysical Research, 2005, 110, .	3.3	45
59	The interplanetary and solar causes of geomagnetic activity. Planetary and Space Science, 1990, 38, 109-126.	1.7	44
60	Ulysses near-ecliptic observations of differential flow between protons and alphas in the solar wind. Journal of Geophysical Research, 1994, 99, 2505.	3.3	44
61	The Ulysses south polar pass: Energetic ion observations. Geophysical Research Letters, 1995, 22, 3357-3360.	4.0	43
62	Evolution of Nonlinear Alfven Waves in Streaming Inhomogeneous Plasmas. Astrophysical Journal, 1999, 523, 849-854.	4.5	43
63	Solar wind stream interaction regions without sector boundaries. Journal of Geophysical Research, 2004, 109, .	3.3	43
64	The latitudinal distribution of solar wind magnetic holes. Geophysical Research Letters, 2000, 27, 1615-1618.	4.0	41
65	A review of the ISEE-3 Geotail magnetic field results. Planetary and Space Science, 1986, 34, 931-960.	1.7	40
66	The speeds of coronal mass ejections in the solar wind at mid heliographic latitudes: Ulysses. Geophysical Research Letters, 1994, 21, 1109-1112.	4.0	40
67	Solar wind observations on the lunar surface with the Apollo-12 ALSEP. Planetary and Space Science, 1972, 20, 1577-1591.	1.7	39
68	Observations of electrons at the lunar surface. Journal of Geophysical Research, 1974, 79, 23-35.	3.3	39
69	Lowâ€frequency plasma waves and ion pitch angle scattering at large distances (>3.5 Ã— 10⁵) Tj ETQq1 1 0.784314 gr Research, 1989, 94, 18-28.	3.3	39
70	Ulysses solar wind observations to 56ï¿½ south. Space Science Reviews, 1995, 72, 93-98.	8.1	36
71	Ulysses Plasma Observations in the Jovian Magnetosheath. Journal of Geophysical Research, 1993, 98, 21189-21202.	3.3	35
72	Observations of a shock and a recombination layer at the contact surface of comet Halley. Journal of Geophysical Research, 1989, 94, 17251-17257.	3.3	34

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73	Ulysses: Interplanetary shocks between 1 and 4 AU. Geophysical Research Letters, 1992, 19, 1287-1289.	4.0	34
74	Ulysses plasma observations of coronal mass ejections near 2.5 AU. Geophysical Research Letters, 1992, 19, 1239-1242.	4.0	33
75	Signatures of wave-ion interactions in the solar wind: Ulysses observations. Journal of Geophysical Research, 2002, 107, SSH 4-1-SSH 4-7.	3.3	33
76	Helium ion acceleration and heating by AlfvÃ©n/cyclotron fluctuations in the solar wind. Journal of Geophysical Research, 2001, 106, 24955-24963.	3.3	32
77	The Ulysses south polar pass: Transient fluxes of energetic ions. Geophysical Research Letters, 1995, 22, 3369-3372.	4.0	31
78	Observations of solar wind ion charge exchange in the Comet Halley coma. Astrophysical Journal, 1991, 379, 734.	4.5	31
79	Solar wind electrons: Parametric constraints. Journal of Geophysical Research, 1999, 104, 19843-19849.	3.3	30
80	The ion mass spectrometer on Giotto. Journal of Physics E: Scientific Instruments, 1987, 20, 759-767.	0.7	29
81	The density of cometary protons upstream of comet Halley's bow shock. Journal of Geophysical Research, 1989, 94, 1261-1269.	3.3	28
82	Observation of the Angular-Momentum Flux Carried by the Solar Wind. Astrophysical Journal, 1971, 168, 571.	4.5	28
83	Meridional transport of magnetic flux in the solar wind between 1 and 10 AU: A theoretical analysis. Journal of Geophysical Research, 1987, 92, 7241-7253.	3.3	27
84	The variation of protons, alpha particles, and the magnetic field across the bow shock of comet Halley. Geophysical Research Letters, 1987, 14, 995-998.	4.0	26
85	Solar wind double ion beams and the heliospheric current sheet. Journal of Geophysical Research, 1995, 100, 7881.	3.3	25
86	Hybrid simulations of interstellar pickup ion acceleration at the solar wind termination shock. Journal of Geophysical Research, 1995, 100, 19809.	3.3	25
87	Solar wind thermal electrons from 1.15 to 5.34 AU: Ulysses observations. Advances in Space Research, 1993, 13, 47-50.	2.6	24
88	A pair of forward and reverse slow-mode shocks detected by Ulysses at â^¼5 AU. Geophysical Research Letters, 1998, 25, 2613-2616.	4.0	23
89	Comment on â€œa new method of forecasting geomagnetic activity and proton showersâ€•by A. Hewish and P.J. Duffet-Smith. Planetary and Space Science, 1988, 36, 205-206.	1.7	22
90	Interplanetary discontinuities and Alfvï¿½n waves. Space Science Reviews, 1995, 72, 205-210.	8.1	22

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91	Ulysses solar wind plasma observations during the declining phase of solar cycle 22. Advances in Space Research, 1995, 16, 85-94.	2.6	22
92	Sources of shocks and compressions in the high-latitude solar wind: Ulysses. Geophysical Research Letters, 1995, 22, 3305-3308.	4.0	22
93	Solar wind interaction with lunar magnetic fields. Journal of Geophysical Research, 1973, 78, 6741-6748.	3.3	21
94	Lunar surface solar wind observations at the Apollo 12 and Apollo 15 sites. Journal of Geophysical Research, 1975, 80, 1751-1760.	3.3	18
95	Ion energy equation for the high-speed solar wind: Ulysses observations. Journal of Geophysical Research, 1998, 103, 14547-14557.	3.3	18
96	Hybrid simulations of collapse of Alfvelnic wave packets. Physics of Plasmas, 2000, 7, 3998.	1.9	18
97	Densities and abundances of hot cometary ions in the coma of P/Halley. Astrophysical Journal, 1991, 372, 291.	4.5	18
98	Plasma wave characteristics of the Jovian magnetopause boundary layer: Relationship to the Jovian aurora?. Journal of Geophysical Research, 1997, 102, 4751-4764.	3.3	17
99	The Solar Wind - Inner Heliosphere. Space Science Reviews, 1998, 83, 75-86.	8.1	17
100	Magnetic permeability measurements and a lunar core. Geophysical Research Letters, 1976, 3, 289-292.	4.0	16
101	Solar wind eddies and the heliospheric current sheet. Journal of Geophysical Research, 1995, 100, 12261.	3.3	16
102	Current sheet control of recurrent particle increases at 4-5 AU. Geophysical Research Letters, 1999, 26, 1785-1788.	4.0	16
103	A model of the variability of the Venus ionopause altitude. Geophysical Research Letters, 1979, 6, 353-356.	4.0	15
104	Cometary H₂⁺ and solar wind He²⁺ dynamics across the Halley cometopause. Geophysical Research Letters, 1988, 15, 549-552.	4.0	15
105	Ulysses solar wind plasma observations at high latitudes. Advances in Space Research, 1997, 20, 15-22.	2.6	15
106	Energetic ion mass spectrometer. Review of Scientific Instruments, 1982, 53, 277-280.	1.3	14
107	Observations of plasma dynamics in the coma of P/Halley by the Giotto Ion Mass Spectrometer. Journal of Geophysical Research, 1992, 97, 4121-4132.	3.3	14
108	High-latitude observations of energetic ions during the first Ulysses polar pass. Space Science Reviews, 1995, 72, 291-296.	8.1	14

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109	Ion acoustic-like waves observed by Ulysses near interplanetary shock waves in the three-dimensional heliosphere. Journal of Geophysical Research, 1998, 103, 6531-6541.	3.3	14
110	Double-proton beams and magnetic switchbacks in the solar wind. AIP Conference Proceedings, 2013, , .	0.4	14
111	<title>Solar Polar Sail mission: report of a study to put a scientific spacecraft in a circular polar orbit about the sun</title>. , 1998, , .		14
112	Ulysses observations of solar wind plasma parameters in the ecliptic from 1.4 to 5.4 AU and out of the ecliptic. Space Science Reviews, 1995, 72, 113-116.	8.1	13
113	Tangential discontinuities at high heliographic latitudes (â^¼â^'80Â°). Geophysical Research Letters, 1995, 22, 3409-3412.	4.0	13
114	The May 1997 SOHO-Ulysses quadrature. Journal of Geophysical Research, 2000, 105, 25033-25051.	3.3	13
115	The effect of the heliospheric current sheet on cosmic ray intensities at solar maximum: Two alternative hypotheses. Journal of Geophysical Research, 1986, 91, 2889-2895.	3.3	12
116	A unidimensional model of comet ionosphere structure. Journal of Geophysical Research, 1988, 93, 1759-1765.	3.3	12
117	Ulysses solar wind plasma observations from peak southerly latitude through perihelion and beyond. AIP Conference Proceedings, 1996, , .	0.4	10
118	Acceleration of energetic particles of the outer regions of planetary magnetospheres: Inferences from laboratory and space experiments. Planetary and Space Science, 1976, 24, 995-999.	1.7	8
119	Magnetic drifts at Io: Depletion of 10â€MeV electrons at Voyager 1 encounter due to a forbidden zone. Journal of Geophysical Research, 1983, 88, 6137-6142.	3.3	8
120	Giotto ion mass spectrometer measurements at comet P/Grigg-Skjellerup. Journal of Geophysical Research, 1994, 99, 19255.	3.3	7
121	The composition and plasma signature of a large dust impact on the Giotto spacecraft. Journal of Geophysical Research, 1991, 96, 13739-13747.	3.3	6
122	Lower bound for electron core beta in the solar wind. Journal of Geophysical Research, 1998, 103, 14559-14566.	3.3	6
123	Hybrid Simulations of Wave Propagation and Ion Cyclotron Heating in the Expanding Solar Wind. Space Science Reviews, 1999, 87, 257-260.	8.1	5
124	Ulysses Observations of the Properties of Multiple Ion Beams in the Solar Wind. , 2010, , .		5
125	Water group ion distributions in the midcometosheath of comet Halley. Journal of Geophysical Research, 1993, 98, 21039-21043.	3.3	4
126	He abundance variations in the solar wind: Observations from Ulysses. AIP Conference Proceedings, 1996, , .	0.4	4

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127	Ion holes in the slow solar wind: Hybrid simulations. Geophysical Research Letters, 2001, 28, 91-94.	4.0	4
128	The composition and dynamics of cometary ions in the outer coma of comet P/Halley. , 1988, , 163-168.		4
129	The solar probe mission. AIP Conference Proceedings, 1990, , .	0.4	3
130	The three-dimensional extent of a high speed solar wind stream. Space Science Reviews, 1995, 72, 125-128.	8.1	3
131	On the origin of the 1/f spectrum of fluctuations in the solar wind. AIP Conference Proceedings, 1996, , .	0.4	3
132	Latitudinal structure of the heliospheric current sheet and corotating streams measured by WIND and ULYSSES. Geophysical Research Letters, 1997, 24, 915-918.	4.0	3
133	The influence of the Sun's magnetic field on energetic particles at high heliospheric latitudes. Geophysical Research Letters, 2001, 28, 4525-4528.	4.0	3
134	AlfvÃ©n waves: Unresolved issues. Advances in Space Research, 2003, 32, 291-301.	2.6	3
135	Numerical solution of wave equations for the stability of the inner cometo-sheath. Astrophysical Journal, 1993, 409, 782.	4.5	3
136	Stability of the Halley cometosheath with resistivity and plasma motion. Journal of Geophysical Research, 1993, 98, 15263-15273.	3.3	2
137	Acceleration of cometary H₂O group pickup ions by obliquely propagating nonlinear magnetosonic waves. Journal of Geophysical Research, 1993, 98, 21023-21037.	3.3	2
138	Scientific objectives of a Solar Probe mission. Advances in Space Research, 1996, 17, 41-47.	2.6	2
139	Ulysses-UVCS Coordinated Observations. Space Science Reviews, 1999, 87, 319-322.	8.1	2
140	Expansion effects on solar wind hybrid simulations. AIP Conference Proceedings, 2013, , .	0.4	2
141	Moonâ€magnetosphere interaction and estimates of possible lunar core size. Journal of Geophysical Research, 1978, 83, 5269-5275.	3.3	1
142	Heliospheric Constellation: Understanding the Structure and Evolution of the Solar Wind. AIP Conference Proceedings, 2003, , .	0.4	1
143	Correlated variations in the azimuthal and elevation angles of the interplanetary magnetic field. AIP Conference Proceedings, 1996, , .	0.4	0
144	Energetic particles and coronal mass ejections in the high latitude heliosphere: Ulysses-LET observations. AIP Conference Proceedings, 1996, , .	0.4	0

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145	A transient solar wind disturbance observed at both low and high heliographic latitudes. AIP Conference Proceedings, 1996, , .	0.4	0
146	Velocity variations in the high-latitude solar wind. AIP Conference Proceedings, 1996, , .	0.4	0
147	A review of solar wind ion and electron plasma distributions: Present understanding and Ulysses results. AIP Conference Proceedings, 1996, , .	0.4	0
148	Acceleration in energetics ions (â^¼1MeV) in corotating interaction regions. Advances in Space Research, 1998, 21, 555-558.	2.6	0
149	Hybrid simulations of preferential heating of heavy ions in the solar wind. AIP Conference Proceedings, 2000, , .	0.4	0
150	Title is missing!. Space Science Reviews, 2001, 97, 289-292.	8.1	0