

Bruce Goldstein

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10196363/publications.pdf>

Version: 2024-02-01

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	Dependence of solar wind speed on the local magnetic field orientation: Role of Alfvénic fluctuations. <i>Geophysical Research Letters</i> , 2014, 41, 259-265.	4.0	83
2	Signatures of kinetic instabilities in the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2771-2782.	2.4	68
3	Double-proton beams and magnetic switchbacks in the solar wind. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	14
4	Expansion effects on solar wind hybrid simulations. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	2
5	Ulysses Observations of the Properties of Multiple Ion Beams in the Solar Wind. , 2010, , .		5
6	Weaker solar wind from the polar coronal holes and the whole Sun. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	390
7	Encounter of the Ulysses Spacecraft with the Ion Tail of Comet McNaught. <i>Astrophysical Journal</i> , 2007, 667, 1262-1266.	4.5	51
8	Evolution of the solar wind proton temperature anisotropy from 0.3 to 2.5 AU. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	177
9	Nonlinear Alfvén waves, discontinuities, proton perpendicular acceleration, and magnetic holes/decreases in interplanetary space and the magnetosphere: intermediate shocks?. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 321-336.	1.3	84
10	Alfvén wave heating of heavy ions in the expanding solar wind: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	45
11	Solar wind stream interaction regions without sector boundaries. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	43
12	Alfvén waves: Unresolved issues. <i>Advances in Space Research</i> , 2003, 32, 291-301.	2.6	3
13	Consequences of proton and alpha anisotropies in the solar wind: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	51
14	The three-dimensional solar wind around solar maximum. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	239
15	Heliospheric Constellation: Understanding the Structure and Evolution of the Solar Wind. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	1
16	Phase-steepened Alfvén waves, proton perpendicular energization and the creation of magnetic holes and magnetic decreases: The ponderomotive force. <i>Geophysical Research Letters</i> , 2002, 29, 86-1-86-4.	4.0	66
17	Ulysses' second fast-latitude scan: Complexity near solar maximum and the reformation of polar coronal holes. <i>Geophysical Research Letters</i> , 2002, 29, 4-1-4-4.	4.0	90
18	Signatures of wave-ion interactions in the solar wind: Ulysses observations. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 4-1-SSH 4-7.	3.3	33

#	ARTICLE	IF	CITATIONS
19	Ion holes in the slow solar wind: Hybrid simulations. <i>Geophysical Research Letters</i> , 2001, 28, 91-94.	4.0	4
20	Generation mechanism for magnetic holes in the solar wind. <i>Geophysical Research Letters</i> , 2001, 28, 1355-1358.	4.0	59
21	Helium energetics in the high-latitude solar wind: Ulysses observations. <i>Journal of Geophysical Research</i> , 2001, 106, 5693-5708.	3.3	64
22	Ion distributions in large magnetic holes in the fast solar wind. <i>Journal of Geophysical Research</i> , 2001, 106, 5635-5648.	3.3	63
23	The influence of the Sun's magnetic field on energetic particles at high heliospheric latitudes. <i>Geophysical Research Letters</i> , 2001, 28, 4525-4528.	4.0	3
24	Helium ion acceleration and heating by Alfvén/cyclotron fluctuations in the solar wind. <i>Journal of Geophysical Research</i> , 2001, 106, 24955-24963.	3.3	32
25	Alfvén wave propagation and ion cyclotron interactions in the expanding solar wind: One-dimensional hybrid simulations. <i>Journal of Geophysical Research</i> , 2001, 106, 29261-29281.	3.3	89
26	Title is missing!. <i>Space Science Reviews</i> , 2001, 97, 289-292.	8.1	0
27	Hybrid simulations of preferential heating of heavy ions in the solar wind. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	0
28	The May 1997 SOHO-Ulysses quadrature. <i>Journal of Geophysical Research</i> , 2000, 105, 25033-25051.	3.3	13
29	Hybrid simulations of collapse of Alfvénic wave packets. <i>Physics of Plasmas</i> , 2000, 7, 3998.	1.9	18
30	Observed constraint on proton-proton relative velocities in the solar wind. <i>Geophysical Research Letters</i> , 2000, 27, 53-56.	4.0	80
31	The latitudinal distribution of solar wind magnetic holes. <i>Geophysical Research Letters</i> , 2000, 27, 1615-1618.	4.0	41
32	Solar wind observations over Ulysses' first full polar orbit. <i>Journal of Geophysical Research</i> , 2000, 105, 10419-10433.	3.3	421
33	Hybrid Simulations of Wave Propagation and Ion Cyclotron Heating in the Expanding Solar Wind. <i>Space Science Reviews</i> , 1999, 87, 257-260.	8.1	5
34	Ulysses-UVCS Coordinated Observations. <i>Space Science Reviews</i> , 1999, 87, 319-322.	8.1	2
35	Evolution of Nonlinear Alfvén Waves in Streaming Inhomogeneous Plasmas. <i>Astrophysical Journal</i> , 1999, 523, 849-854.	4.5	43
36	Current sheet control of recurrent particle increases at 4-5 AU. <i>Geophysical Research Letters</i> , 1999, 26, 1785-1788.	4.0	16

#	ARTICLE	IF	CITATIONS
37	Solar wind electrons: Parametric constraints. <i>Journal of Geophysical Research</i> , 1999, 104, 19843-19849.	3.3	30
38	The Solar Wind - Inner Heliosphere. <i>Space Science Reviews</i> , 1998, 83, 75-86.	8.1	17
39	Acceleration in energetic ions (~ 1 MeV) in corotating interaction regions. <i>Advances in Space Research</i> , 1998, 21, 555-558.	2.6	0
40	Ulysses' return to the slow solar wind. <i>Geophysical Research Letters</i> , 1998, 25, 1-4.	4.0	250
41	Ion acoustic-like waves observed by Ulysses near interplanetary shock waves in the three-dimensional heliosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 6531-6541.	3.3	14
42	A pair of forward and reverse slow-mode shocks detected by Ulysses at ~ 4.5 AU. <i>Geophysical Research Letters</i> , 1998, 25, 2613-2616.	4.0	23
43	Ion energy equation for the high-speed solar wind: Ulysses observations. <i>Journal of Geophysical Research</i> , 1998, 103, 14547-14557.	3.3	18
44	Lower bound for electron core beta in the solar wind. <i>Journal of Geophysical Research</i> , 1998, 103, 14559-14566.	3.3	6
45	<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
46	Features observed in the trailing regions of interplanetary clouds from coronal mass ejections. <i>Journal of Geophysical Research</i> , 1997, 102, 19743-19751.	3.3	57
47	The northern edge of the band of solar wind variability: Ulysses at ~ 4.5 AU. <i>Geophysical Research Letters</i> , 1997, 24, 309-312.	4.0	47
48	Latitudinal structure of the heliospheric current sheet and corotating streams measured by WIND and ULYSSES. <i>Geophysical Research Letters</i> , 1997, 24, 915-918.	4.0	3
49	Plasma wave characteristics of the Jovian magnetopause boundary layer: Relationship to the Jovian aurora?. <i>Journal of Geophysical Research</i> , 1997, 102, 4751-4764.	3.3	17
50	Solar Wind Stream Interactions and the Wind Speed-Expansion Factor Relationship. <i>Astrophysical Journal</i> , 1997, 488, L51-L54.	4.5	75
51	Ulysses solar wind plasma observations at high latitudes. <i>Advances in Space Research</i> , 1997, 20, 15-22.	2.6	15
52	Interplanetary discontinuities and Alfvén waves at high heliographic latitudes: Ulysses. <i>Journal of Geophysical Research</i> , 1996, 101, 11027-11038.	3.3	53
53	Ulysses observations of differential alpha-proton streaming in the solar wind. <i>Journal of Geophysical Research</i> , 1996, 101, 17047-17055.	3.3	90
54	Correlated variations in the azimuthal and elevation angles of the interplanetary magnetic field. <i>AIP Conference Proceedings</i> , 1996, , .	0.4	0

#	ARTICLE	IF	CITATIONS
55	Energetic particles and coronal mass ejections in the high latitude heliosphere: Ulysses-LET observations. AIP Conference Proceedings, 1996, , .	0.4	0
56	On the origin of the 1/f spectrum of fluctuations in the solar wind. AIP Conference Proceedings, 1996, , .	0.4	3
57	A transient solar wind disturbance observed at both low and high heliographic latitudes. AIP Conference Proceedings, 1996, , .	0.4	0
58	Velocity variations in the high-latitude solar wind. AIP Conference Proceedings, 1996, , .	0.4	0
59	A review of solar wind ion and electron plasma distributions: Present understanding and Ulysses results. AIP Conference Proceedings, 1996, , .	0.4	0
60	Ulysses solar wind plasma observations from peak southerly latitude through perihelion and beyond. AIP Conference Proceedings, 1996, , .	0.4	10
61	He abundance variations in the solar wind: Observations from Ulysses. AIP Conference Proceedings, 1996, , .	0.4	4
62	Scientific objectives of a Solar Probe mission. Advances in Space Research, 1996, 17, 41-47.	2.6	2
63	Ulysses solar wind observations to 56° $\frac{1}{2}$ south. Space Science Reviews, 1995, 72, 93-98.	8.1	36
64	Solar wind corotating stream interaction regions out of the ecliptic plane: Ulysses. Space Science Reviews, 1995, 72, 99-104.	8.1	55
65	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
66	The three-dimensional extent of a high speed solar wind stream. Space Science Reviews, 1995, 72, 125-128.	8.1	3
67	Interplanetary shock waves: Ulysses observations in and out of the ecliptic plane. Space Science Reviews, 1995, 72, 171-180.	8.1	87
68	Magnetic holes in the solar wind and their relation to mirror-mode structures. Space Science Reviews, 1995, 72, 201-204.	8.1	48
69	Interplanetary discontinuities and Alfvén waves. Space Science Reviews, 1995, 72, 205-210.	8.1	22
70	High-latitude observations of energetic ions during the first Ulysses polar pass. Space Science Reviews, 1995, 72, 291-296.	8.1	14
71	Ulysses solar wind plasma observations during the declining phase of solar cycle 22. Advances in Space Research, 1995, 16, 85-94.	2.6	22
72	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

#	ARTICLE	IF	CITATIONS
73	Intermittent turbulence in solar wind from the south polar hole. Journal of Geophysical Research, 1995, 100, 3395-3403.	3.3	67
74	Solar wind double ion beams and the heliospheric current sheet. Journal of Geophysical Research, 1995, 100, 7881.	3.3	25
75	A CME-driven solar wind disturbance observed at both low and high heliographic latitudes. Geophysical Research Letters, 1995, 22, 1753-1756.	4.0	69
76	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
77	Sources of shocks and compressions in the high-latitude solar wind: Ulysses. Geophysical Research Letters, 1995, 22, 3305-3308.	4.0	22
78	The Ulysses south polar pass: Transient fluxes of energetic ions. Geophysical Research Letters, 1995, 22, 3369-3372.	4.0	31
79	Tangential discontinuities at high heliographic latitudes ($\sim 1/4 \sim 80^\circ$). Geophysical Research Letters, 1995, 22, 3409-3412.	4.0	13
80	The Ulysses south polar pass: Energetic ion observations. Geophysical Research Letters, 1995, 22, 3357-3360.	4.0	43
81	Ulysses solar wind plasma observations from pole to pole. Geophysical Research Letters, 1995, 22, 3301-3304.	4.0	291
82	Large amplitude IMF fluctuations in corotating interaction regions: Ulysses at midlatitudes. Geophysical Research Letters, 1995, 22, 3397-3400.	4.0	80
83	Alfvén waves, alpha particles, and pickup ions in the solar wind. Geophysical Research Letters, 1995, 22, 3389-3392.	4.0	45
84	Solar wind eddies and the heliospheric current sheet. Journal of Geophysical Research, 1995, 100, 12261.	3.3	16
85	Hybrid simulations of interstellar pickup ion acceleration at the solar wind termination shock. Journal of Geophysical Research, 1995, 100, 19809.	3.3	25
86	Ulysses observations of microstreams in the solar wind from coronal holes. Journal of Geophysical Research, 1995, 100, 23389.	3.3	99
87	Ulysses Solar Wind Plasma Observations at High Southerly Latitudes. Science, 1995, 268, 1030-1033.	12.6	185
88	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
89	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
90	Ulysses high-latitude observations of ions accelerated by co-rotating interaction regions. Geophysical Research Letters, 1994, 21, 1113-1116.	4.0	46

#	ARTICLE	IF	CITATIONS
91	Ulysses at 50° south: constant immersion in the high-speed solar wind. <i>Geophysical Research Letters</i> , 1994, 21, 1105-1108.	4.0	126
92	The speeds of coronal mass ejections in the solar wind at mid heliographic latitudes: Ulysses. <i>Geophysical Research Letters</i> , 1994, 21, 1109-1112.	4.0	40
93	The relationship between interplanetary discontinuities and Alfvén waves: Ulysses observations. <i>Geophysical Research Letters</i> , 1994, 21, 2267-2270.	4.0	121
94	A new class of forward-reverse shock pairs in the solar wind. <i>Geophysical Research Letters</i> , 1994, 21, 2271-2274.	4.0	119
95	Giotto ion mass spectrometer measurements at comet P/Grigg-Skjellerup. <i>Journal of Geophysical Research</i> , 1994, 99, 19255.	3.3	7
96	Ulysses field and plasma observations of magnetic holes in the solar wind and their relation to mirror-mode structures. <i>Journal of Geophysical Research</i> , 1994, 99, 23371.	3.3	170
97	Solar wind thermal electrons from 1.15 to 5.34 AU: Ulysses observations. <i>Advances in Space Research</i> , 1993, 13, 47-50.	2.6	24
98	Counterstreaming suprathermal electron events upstream of corotating shocks in the solar wind beyond 1/2 AU: Ulysses. <i>Geophysical Research Letters</i> , 1993, 20, 2335-2338.	4.0	81
99	Ulysses observations of a recurrent high speed solar wind stream and the heliomagnetic streamer belt. <i>Geophysical Research Letters</i> , 1993, 20, 2323-2326.	4.0	188
100	Disappearance of the heliospheric sector structure at Ulysses. <i>Geophysical Research Letters</i> , 1993, 20, 2327-2330.	4.0	138
101	Latitudinal variation of solar wind corotating stream interaction regions: Ulysses. <i>Geophysical Research Letters</i> , 1993, 20, 2789-2792.	4.0	148
102	Stability of the Halley cometosheath with resistivity and plasma motion. <i>Journal of Geophysical Research</i> , 1993, 98, 15263-15273.	3.3	2
103	Hybrid simulations of the effects of interstellar pickup hydrogen on the solar wind termination shock. <i>Journal of Geophysical Research</i> , 1993, 98, 15211-15220.	3.3	63
104	Acceleration of cometary H ₂ O group pickup ions by obliquely propagating nonlinear magnetosonic waves. <i>Journal of Geophysical Research</i> , 1993, 98, 21023-21037.	3.3	2
105	Water group ion distributions in the midcometosheath of comet Halley. <i>Journal of Geophysical Research</i> , 1993, 98, 21039-21043.	3.3	4
106	Ulysses Plasma Observations in the Jovian Magnetosheath. <i>Journal of Geophysical Research</i> , 1993, 98, 21189-21202.	3.3	35
107	Numerical solution of wave equations for the stability of the inner cometo-sheath. <i>Astrophysical Journal</i> , 1993, 409, 782.	4.5	3
108	Jupiter's Magnetosphere: Plasma Description from the Ulysses Flyby. <i>Science</i> , 1992, 257, 1539-1543.	12.6	82

#	ARTICLE	IF	CITATIONS
109	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
110	Ulysses plasma observations of coronal mass ejections near 2.5 AU. Geophysical Research Letters, 1992, 19, 1239-1242.	4.0	33
111	Ulysses: Interplanetary shocks between 1 and 4 AU. Geophysical Research Letters, 1992, 19, 1287-1289.	4.0	34
112	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
113	Densities and abundances of hot cometary ions in the coma of P/Halley. Astrophysical Journal, 1991, 372, 291.	4.5	18
114	Observations of solar wind ion charge exchange in the Comet Halley coma. Astrophysical Journal, 1991, 379, 734.	4.5	31
115	The interplanetary and solar causes of geomagnetic activity. Planetary and Space Science, 1990, 38, 109-126.	1.7	44
116	The solar probe mission. AIP Conference Proceedings, 1990, , .	0.4	3
117	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
118	Interplanetary Alfvén waves and auroral (substorm) activity: IMP 8. Journal of Geophysical Research, 1990, 95, 2241-2252.	3.3	90
119	Low-frequency plasma waves and ion pitch angle scattering at large distances ($>3.5 \text{ AU}$) Tj ETQq1 1 0.784314 Research, 1989, 94, 18-28.	3.3	39
120	The density of cometary protons upstream of comet Halley's bow shock. Journal of Geophysical Research, 1989, 94, 1261-1269.	3.3	28
121	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
122	Comment on "a new method of forecasting geomagnetic activity and proton showers" by A. Hewish and P.J. Duffet-Smith. Planetary and Space Science, 1988, 36, 205-206.	1.7	22
123	Cometary H^+ and solar wind He^{2+} dynamics across the Halley cometopause. Geophysical Research Letters, 1988, 15, 549-552.	4.0	15
124	A unidimensional model of comet ionosphere structure. Journal of Geophysical Research, 1988, 93, 1759-1765.	3.3	12
125	The composition and dynamics of cometary ions in the outer coma of comet P/Halley. , 1988, , 163-168.		4
126	The ion mass spectrometer on Giotto. Journal of Physics E: Scientific Instruments, 1987, 20, 759-767.	0.7	29

#	ARTICLE	IF	CITATIONS
127	The variation of protons, alpha particles, and the magnetic field across the bow shock of comet Halley. <i>Geophysical Research Letters</i> , 1987, 14, 995-998.	4.0	26
128	Meridional transport of magnetic flux in the solar wind between 1 and 10 AU: A theoretical analysis. <i>Journal of Geophysical Research</i> , 1987, 92, 7241-7253.	3.3	27
129	The effect of the heliospheric current sheet on cosmic ray intensities at solar maximum: Two alternative hypotheses. <i>Journal of Geophysical Research</i> , 1986, 91, 2889-2895.	3.3	12
130	A review of the ISEE-3 Geotail magnetic field results. <i>Planetary and Space Science</i> , 1986, 34, 931-960.	1.7	40
131	Ion composition and dynamics at comet Halley. <i>Nature</i> , 1986, 321, 330-334.	27.8	371
132	Wave normal directions of chorus near the equatorial source region. <i>Journal of Geophysical Research</i> , 1984, 89, 2789-2810.	3.3	108
133	A reexamination of rotational and tangential discontinuities in the solar wind. <i>Journal of Geophysical Research</i> , 1984, 89, 5395-5408.	3.3	176
134	Magnetic drifts at Io: Depletion of 10 MeV electrons at Voyager 1 encounter due to a forbidden zone. <i>Journal of Geophysical Research</i> , 1983, 88, 6137-6142.	3.3	8
135	Energetic ion mass spectrometer. <i>Review of Scientific Instruments</i> , 1982, 53, 277-280.	1.3	14
136	Mercury: Magnetospheric processes and the atmospheric supply and loss rates. <i>Journal of Geophysical Research</i> , 1981, 86, 5485-5499.	3.3	76
137	The onset and development of Kelvin-Helmholtz instability at the Venus ionopause. <i>Journal of Geophysical Research</i> , 1980, 85, 7697-7707.	3.3	116
138	A model of the variability of the Venus ionopause altitude. <i>Geophysical Research Letters</i> , 1979, 6, 353-356.	4.0	15
139	Compression of the Hermaean magnetosphere by the solar wind. <i>Journal of Geophysical Research</i> , 1979, 84, 3306-3312.	3.3	55
140	Moon-magnetosphere interaction and estimates of possible lunar core size. <i>Journal of Geophysical Research</i> , 1978, 83, 5269-5275.	3.3	1
141	Effects of stream-associated fluctuations upon the radial variation of average solar wind parameters. <i>Journal of Geophysical Research</i> , 1977, 82, 1095-1105.	3.3	53
142	Magnetic permeability measurements and a lunar core. <i>Geophysical Research Letters</i> , 1976, 3, 289-292.	4.0	16
143	Acceleration of energetic particles of the outer regions of planetary magnetospheres: Inferences from laboratory and space experiments. <i>Planetary and Space Science</i> , 1976, 24, 995-999.	1.7	8
144	Lunar surface solar wind observations at the Apollo 12 and Apollo 15 sites. <i>Journal of Geophysical Research</i> , 1975, 80, 1751-1760.	3.3	18

#	ARTICLE	IF	CITATIONS
145	Observations of electrons at the lunar surface. <i>Journal of Geophysical Research</i> , 1974, 79, 23-35.	3.3	39
146	Solar wind interaction with lunar magnetic fields. <i>Journal of Geophysical Research</i> , 1973, 78, 6741-6748.	3.3	21
147	Direct Measurements of Solar-Wind Fluctuations Between 0.0048 and 13.3 HZ. <i>Astrophysical Journal</i> , 1973, 180, 591.	4.5	61
148	Solar wind observations on the lunar surface with the Apollo-12 ALSEP. <i>Planetary and Space Science</i> , 1972, 20, 1577-1591.	1.7	39
149	Observation of the Angular-Momentum Flux Carried by the Solar Wind. <i>Astrophysical Journal</i> , 1971, 168, 571.	4.5	28
150	An east-west asymmetry in the solar wind velocity. <i>Journal of Geophysical Research</i> , 1969, 74, 1759-1762.	3.3	55