

S Peter Gary

List of Publications by Year in descending order

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155
papers

9,570
citations

28190

55
h-index

51492

86
g-index

156
all docs

156
docs citations

156
times ranked

2301
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermittency and Ion Temperature Anisotropy Instabilities: Simulation and Magnetosheath Observation. <i>Astrophysical Journal</i> , 2020, 895, 83.	1.6	10
2	Dependence of kinetic plasma waves on ion-to-electron mass ratio and light-to-Alfvén speed ratio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2905-2911.	1.6	5
3	Particle-in-cell Simulations of Decaying Plasma Turbulence: Linear Instabilities versus Nonlinear Processes in 3D and 2.5D Approximations. <i>Astrophysical Journal</i> , 2020, 901, 160.	1.6	9
4	Dissipation of Kinetic Alfvénic Turbulence as a Function of Ion and Electron Temperature Ratios. <i>Astrophysical Journal</i> , 2019, 882, 29.	1.6	10
5	Super-Alfvénic Propagation and Damping of Reconnection Onset Signatures. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 341-349.	0.8	9
6	MMS Observations of Beta-dependent Constraints on Ion Temperature Anisotropy in Earth's Magnetosheath. <i>Astrophysical Journal</i> , 2018, 866, 25.	1.6	21
7	Species Entropies in the Kinetic Range of Collisionless Plasma Turbulence: Particle-in-cell Simulations. <i>Astrophysical Journal</i> , 2018, 859, 110.	1.6	7
8	Particle-in-cell Simulations of Electron and Ion Dissipation by Whistler Turbulence: Variations with Electron β^2 . <i>Astrophysical Journal Letters</i> , 2017, 835, L15.	3.0	10
9	Ion Bernstein instability as a possible source for oxygen ion cyclotron harmonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5449-5465.	0.8	22
10	Scalings for the Alfvénic cyclotron instability: Linear dispersion theory and hybrid particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 464-474.	0.8	7
11	Kinetic Alfvén Turbulence: Electron and Ion Heating by Particle-in-cell Simulations. <i>Astrophysical Journal Letters</i> , 2017, 847, L14.	3.0	28
12	Proton velocity ring-driven instabilities and their dependence on the ring speed: Linear theory. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7891-7906.	0.8	11
13	Hybrid Simulations of Positively and Negatively Charged Pickup Ions and Cyclotron Wave Generation at Europa. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10408-10420.	0.8	12
14	Ring/Shell Ion Distributions at Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,055.	0.8	14
15	Generation of Highly Oblique Lower Band Chorus Via Nonlinear Three-Wave Resonance. <i>Geophysical Research Letters</i> , 2017, 44, 9532-9538.	1.5	23
16	Effects of variations in electron thermal velocity on the whistler anisotropy instability: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	10
17	On the generation of double layers from ion- and electron-acoustic instabilities. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	5
18	Ion-driven instabilities in the solar wind: Wind observations of 19 March 2005. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 30-41.	0.8	66

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19	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2016, 827, L8.	3.0	49
20	Scalings of Alfvén-cyclotron and ion Bernstein instabilities on temperature anisotropy of a ring-like velocity distribution in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2185-2193.	0.8	32
21	Predicting electromagnetic ion cyclotron wave amplitude from unstable ring current plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,954.	0.8	16
22	WHISTLER TURBULENCE HEATING OF ELECTRONS AND IONS: THREE-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS. <i>Astrophysical Journal</i> , 2016, 816, 102.	1.6	30
23	Turbulent dissipation challenge: a community-driven effort. <i>Journal of Plasma Physics</i> , 2015, 81, .	0.7	42
24	Nonlinear subcyclotron resonance as a formation mechanism for gaps in banded chorus. <i>Geophysical Research Letters</i> , 2015, 42, 3150-3159.	1.5	16
25	WHISTLER TURBULENCE FORWARD CASCADE VERSUS INVERSE CASCADE: THREE-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS. <i>Astrophysical Journal</i> , 2015, 800, 87.	1.6	13
26	Short-wavelength plasma turbulence and temperature anisotropy instabilities: recent computational progress. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140149.	1.6	32
27	Energy dissipation by whistler turbulence: Three-dimensional particle-in-cell simulations. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	22
28	Particle-in-cell simulations of velocity scattering of an anisotropic electron beam by electrostatic and electromagnetic instabilities. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	8
29	Do dispersive waves play a role in collisionless magnetic reconnection?. <i>Physics of Plasmas</i> , 2014, 21, 022113.	0.7	45
30	NONLINEAR AND LINEAR TIMESCALES NEAR KINETIC SCALES IN SOLAR WIND TURBULENCE. <i>Astrophysical Journal</i> , 2014, 790, 155.	1.6	50
31	Electron and ion heating by whistler turbulence: Three-dimensional particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2014, 41, 8681-8687.	1.5	25
32	How important are the alpha-proton relative drift and the electron heat flux for the proton heating of the solar wind in the inner heliosphere?. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5210-5219.	0.8	30
33	Whistler anisotropy instability: Spectral transfer in a three-dimensional particle-in-cell simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1429-1434.	0.8	17
34	Whistler anisotropy instabilities as the source of banded chorus: Van Allen Probes observations and particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8288-8298.	0.8	101
35	Dispersion relation analysis of turbulent magnetic field fluctuations in fast solar wind. <i>Annales Geophysicae</i> , 2013, 31, 1949-1955.	0.6	31
36	TEST FOR WAVEVECTOR ANISOTROPIES IN PLASMA TURBULENCE CASCADES. <i>Astrophysical Journal</i> , 2013, 769, 36.	1.6	11

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37	ANALYTIC MODEL OF THE IBEX RIBBON WITH NEUTRAL SOLAR WIND BASED ION PICKUP BEYOND THE HELIOPAUSE. <i>Astrophysical Journal</i> , 2013, 766, 129.	1.6	51
38	Whistler turbulence at variable electron beta: Three-dimensional particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2824-2833.	0.8	42
39	Beta dependence of electron heating in decaying whistler turbulence: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2012, 19, 012312.	0.7	19
40	FORWARD CASCADE OF WHISTLER TURBULENCE: THREE-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS. <i>Astrophysical Journal</i> , 2012, 755, 142.	1.6	70
41	INSTABILITY-DRIVEN LIMITS ON HELIUM TEMPERATURE ANISOTROPY IN THE SOLAR WIND: OBSERVATIONS AND LINEAR VLASOV ANALYSIS. <i>Astrophysical Journal</i> , 2012, 748, 137.	1.6	123
42	Alfvén-cyclotron instability with singly ionized helium: Linear theory. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27
43	Pickup proton instabilities and scattering in the distant solar wind and the outer heliosheath: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	29
44	Whistler anisotropy instability with a cold electron component: Linear theory. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18
45	OBSERVATION OF BERNSTEIN WAVES EXCITED BY NEWBORN INTERSTELLAR PICKUP IONS IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2012, 745, 112.	1.6	25
46	Dispersion relation analysis of solar wind turbulence. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	94
47	Excitation of magnetosonic waves in the terrestrial magnetosphere: Particle-in-cell simulations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	94
48	Electron-ion Coulomb scattering and the electron Landau damping of Alfvén waves in the solar wind. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	14
49	Excitation of banded whistler waves in the magnetosphere. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	48
50	Whistler turbulence forward cascade: Three-dimensional particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	36
51	Bernstein instability driven by suprathermal protons in the ring current. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	24
52	EFFECT OF DIFFERENTIAL FLOW OF ALPHA PARTICLES ON PROTON PRESSURE ANISOTROPY INSTABILITIES IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2011, 742, 41.	1.6	47
53	Whistler anisotropy instability at low electron β^2 : Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	56
54	WHISTLER TURBULENCE WAVEVECTOR ANISOTROPIES: PARTICLE-IN-CELL SIMULATIONS. <i>Astrophysical Journal</i> , 2010, 716, 1332-1335.	1.6	28

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55	A KINETIC ALFVÉN WAVE CASCADE SUBJECT TO COLLISIONLESS DAMPING CANNOT REACH ELECTRON SCALES IN THE SOLAR WIND AT 1 AU. <i>Astrophysical Journal</i> , 2010, 712, 685-691.	1.6	73
56	High-speed stream driven inferences of global wave distributions at geosynchronous orbit: relevance to radiation-belt dynamics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010, 466, 3351-3362.	1.0	22
57	Wavenumber spectrum of whistler turbulence: Particle-in-cell simulation. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	52
58	Relativistic electron scattering by electromagnetic ion cyclotron fluctuations: Test particle simulations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	58
59	Time History of Events and Macroscale Interactions during Substorms observations of a series of hot flow anomaly events. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	75
60	Hybrid simulations of the termination shock: Suprathermal ion velocity distributions in the heliosheath. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	24
61	Heliosheath fluctuations near the perpendicular termination shock: Two-dimensional hybrid simulations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	3
62	Multiple harmonic ULF waves in the plasma sheet boundary layer: Instability analysis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	36
63	Ion Bernstein instability in the terrestrial magnetosphere: Linear dispersion theory. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	74
64	DISSIPATION WAVENUMBERS FOR TURBULENCE IN ELECTRON-POSITRON PLASMAS. <i>Astrophysical Journal</i> , 2009, 701, 1695-1700.	1.6	3
65	On shear viscosity and the Reynolds number of magnetohydrodynamic turbulence in collisionless magnetized plasmas: Coulomb collisions, Landau damping, and Bohm diffusion. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	22
66	Two-dimensional hybrid simulations of superdiffusion at the magnetopause driven by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
67	Energy dissipation and ion heating at the heliospheric termination shock. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	28
68	Ion observations from geosynchronous orbit as a proxy for ion cyclotron wave growth during storm times. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	66
69	Short-wavelength turbulence in the solar wind: Linear theory of whistler and kinetic Alfvén fluctuations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	113
70	Fluctuations in electron-positron plasmas: Linear theory and implications for turbulence. <i>Physics of Plasmas</i> , 2009, 16, 042104.	0.7	20
71	Cascade of whistler turbulence: Particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	97
72	Perpendicular scattering for electron beams by the electron-electron instability in solar electron bursts. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	2

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73	Whistler turbulence: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	115
74	Damping of long-wavelength kinetic Alfvén fluctuations: Linear theory. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
75	Hot Solar-Wind Helium: Direct Evidence for Local Heating by Alfvén-Cyclotron Dissipation. <i>Physical Review Letters</i> , 2008, 101, 261103.	2.9	177
76	All whistlers are not created equally: Scattering of strahl electrons in the solar wind via particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	38
77	Scattering of suprathermal electrons in the solar wind: ACE observations. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	61
78	Whistler scattering of suprathermal electrons in the solar wind: Particle-in-cell simulations. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	42
79	Broadening of solar wind strahl pitch angles by the electron/electron instability: Particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	36
80	Hybrid simulations of debris ambient ion interactions in astrophysical explosions. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	39
81	Alfvén-cyclotron scattering of solar wind ions: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	25
82	Linear theory of electron temperature anisotropy instabilities: Whistler, mirror, and Weibel. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	94
83	Solar wind ion scattering by Alfvén-cyclotron fluctuations: ion temperature anisotropies versus relative alpha particle densities. <i>New Journal of Physics</i> , 2006, 8, 17-17.	1.2	11
84	Learning about coronal heating from solar wind observations. <i>Physics of Plasmas</i> , 2005, 12, 056501.	0.7	13
85	Signatures of Alfvén-cyclotron wave-ion scattering: Advanced Composition Explorer (ACE) solar wind observations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	24
86	Electron anisotropy constraint in the magnetosheath: Cluster observations. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	59
87	Alfvén wave heating of heavy ions in the expanding solar wind: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	45
88	Kinetic Alfvén waves: Linear theory and a particle-in-cell simulation. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	59
89	Alfvén-cyclotron fluctuations: Linear Vlasov theory. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	84
90	Deep Space 1 encounter with Comet 19P/Borrelly: Ion composition measurements by the PEPE mass spectrometer. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	23

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91	Consequences of proton and alpha anisotropies in the solar wind: Hybrid simulations. Journal of Geophysical Research, 2003, 108, .	3.3	51
92	Particle-in-cell simulations of Alfvén-cyclotron wave scattering: Proton velocity distributions. Journal of Geophysical Research, 2003, 108, .	3.3	39
93	Resonant electron firehose instability: Particle-in-cell simulations. Physics of Plasmas, 2003, 10, 3571-3576.	0.7	82
94	Solar Wind Temperature Anisotropies. AIP Conference Proceedings, 2003, , .	0.3	41
95	Wind/SWE observations of firehose constraint on solar wind proton temperature anisotropy. Geophysical Research Letters, 2002, 29, 20-1-20-4.	1.5	237
96	Whistler anisotropy instability: Wave-particle scattering rate. Journal of Geophysical Research, 2002, 107, SMP 18-1.	3.3	20
97	Resonant heating and acceleration of ions in coronal holes driven by cyclotron resonant spectra. Journal of Geophysical Research, 2002, 107, SSH 9-1-SSH 9-9.	3.3	52
98	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
99	On the dissipation of magnetic fluctuations in the solar wind. Geophysical Research Letters, 2001, 28, 1347-1350.	1.5	60
100	Helium energetics in the high-latitude solar wind: Ulysses observations. Journal of Geophysical Research, 2001, 106, 5693-5708.	3.3	64
101	Ion distributions in large magnetic holes in the fast solar wind. Journal of Geophysical Research, 2001, 106, 5635-5648.	3.3	63
102	Electromagnetic heavy ion cyclotron instability: Anisotropy constraint in the solar corona. Journal of Geophysical Research, 2001, 106, 10715-10722.	3.3	37
103	Solar wind magnetic fluctuation spectra: Dispersion versus damping. Journal of Geophysical Research, 2001, 106, 8273-8281.	3.3	191
104	Solar cycle variations in the electron heat flux: Ulysses observations. Geophysical Research Letters, 2001, 28, 2169-2172.	1.5	28
105	Proton temperature anisotropy constraint in the solar wind: ACE observations. Geophysical Research Letters, 2001, 28, 2759-2762.	1.5	113
106	Role of electron physics in slow mode shocks. Journal of Geophysical Research, 2001, 106, 25031-25039.	3.3	10
107	Helium ion acceleration and heating by Alfvén-cyclotron fluctuations in the solar wind. Journal of Geophysical Research, 2001, 106, 24955-24963.	3.3	32
108	Constraints on the O^{+5} Anisotropy in the Solar Corona. Astrophysical Journal, 2001, 547, L175-L178.	1.6	41

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109	Alpha/proton magnetosonic instability in the solar wind. <i>Journal of Geophysical Research</i> , 2000, 105, 20989-20996.	3.3	46
110	Observed constraint on proton-proton relative velocities in the solar wind. <i>Geophysical Research Letters</i> , 2000, 27, 53-56.	1.5	80
111	Suprathermal ions and MHD turbulence observed upstream of an interplanetary shock by Advanced Composition Explorer. <i>Journal of Geophysical Research</i> , 2000, 105, 7521-7531.	3.3	12
112	Electron temperature anisotropy instabilities: Computer simulations. <i>Journal of Geophysical Research</i> , 2000, 105, 10751-10759.	3.3	47
113	Electromagnetic alpha/proton instabilities in the solar wind. <i>Geophysical Research Letters</i> , 2000, 27, 1355-1358.	1.5	59
114	Electromagnetic proton cyclotron anisotropy instability: Wave-particle scattering rate. <i>Geophysical Research Letters</i> , 2000, 27, 2457-2459.	1.5	28
115	Electron heat flux constraints in the solar wind. <i>Physics of Plasmas</i> , 1999, 6, 2607-2612.	0.7	47
116	Electromagnetic proton/proton instabilities in the solar wind: Simulations. <i>Journal of Geophysical Research</i> , 1999, 104, 4657-4667.	3.3	82
117	Collisionless dissipation wavenumber: Linear theory. <i>Journal of Geophysical Research</i> , 1999, 104, 6759-6762.	3.3	51
118	Solar wind electrons: Parametric constraints. <i>Journal of Geophysical Research</i> , 1999, 104, 19843-19849.	3.3	30
119	Proton resonant firehose instability: Temperature anisotropy and fluctuating field constraints. <i>Journal of Geophysical Research</i> , 1998, 103, 14567-14574.	3.3	102
120	Proton temperature anisotropy upper bound. <i>Journal of Geophysical Research</i> , 1997, 102, 27159-27169.	3.3	97
121	Whistler instability: Electron anisotropy upper bound. <i>Journal of Geophysical Research</i> , 1996, 101, 10749-10754.	3.3	160
122	Electromagnetic proton cyclotron instability: Interactions with magnetospheric protons. <i>Journal of Geophysical Research</i> , 1995, 100, 21961-21972.	3.3	84
123	A limited closure relation for anisotropic plasmas from the Earth's magnetosheath*. <i>Physics of Plasmas</i> , 1994, 1, 1676-1683.	0.7	54
124	Magnetic spectral signatures in the Earth's magnetosheath and plasma depletion layer. <i>Journal of Geophysical Research</i> , 1994, 99, 5877.	3.3	229
125	Two-dimensional simulations of ion anisotropy instabilities in the magnetosheath. <i>Journal of Geophysical Research</i> , 1994, 99, 11141.	3.3	52
126	The proton cyclotron instability and the anisotropy ² inverse correlation. <i>Journal of Geophysical Research</i> , 1994, 99, 5903.	3.3	125

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127	The ion cyclotron anisotropy instability and the inverse correlation between proton anisotropy and proton beta. <i>Journal of Geophysical Research</i> , 1994, 99, 11297.	3.3	110
128	Inverse correlations between the ion temperature anisotropy and plasma beta in the Earth's quasi-parallel magnetosheath. <i>Journal of Geophysical Research</i> , 1994, 99, 14931.	3.3	73
129	Regulation of the solar wind electron heat flux from 1 to 5 AU: Ulysses observations. <i>Journal of Geophysical Research</i> , 1994, 99, 23401.	3.3	96
130	Hot proton anisotropies and cool proton temperatures in the outer magnetosphere. <i>Journal of Geophysical Research</i> , 1994, 99, 23603.	3.3	75
131	Ion cyclotron anisotropy instabilities in the magnetosheath: Theory and simulations. <i>Journal of Geophysical Research</i> , 1993, 98, 3963-3971.	3.3	48
132	Simulations of ion cyclotron anisotropy instabilities in the terrestrial magnetosheath. <i>Journal of Geophysical Research</i> , 1993, 98, 9171-9179.	3.3	44
133	The mirror and ion cyclotron anisotropy instabilities. <i>Journal of Geophysical Research</i> , 1992, 97, 8519-8529.	3.3	215
134	Mirror and ion cyclotron anisotropy instabilities in the magnetosheath. <i>Journal of Geophysical Research</i> , 1992, 97, 19421-19432.	3.3	59
135	Kinetic properties of mirror waves in magnetosheath plasmas. <i>Geophysical Research Letters</i> , 1992, 19, 1331-1334.	1.5	32
136	Computer simulations of cometary ion/ion instabilities and wave growth. <i>Journal of Geophysical Research</i> , 1989, 94, 3513-3525.	3.3	62
137	Electromagnetic ion instabilities in a cometary environment. <i>Journal of Geophysical Research</i> , 1988, 93, 235-241.	3.3	92
138	The ion-ion acoustic instability. <i>Journal of Plasma Physics</i> , 1987, 37, 45-61.	0.7	94
139	Plasma Instabilities in the Terrestrial Magnetosphere: A Review of Recent Theoretical Research. <i>Physica Scripta</i> , 1987, T18, 179-187.	1.2	2
140	The development of shell-like distributions from newborn cometary ions. <i>Geophysical Research Letters</i> , 1986, 13, 1364-1367.	1.5	77
141	Low-frequency waves in a high-beta collisionless plasma: polarization, compressibility and helicity. <i>Journal of Plasma Physics</i> , 1986, 35, 431-447.	0.7	116
142	The second-order theory of electromagnetic hot ion beam instabilities. <i>Journal of Geophysical Research</i> , 1985, 90, 65-72.	3.3	46
143	Electromagnetic ion beam instabilities. <i>Physics of Fluids</i> , 1984, 27, 1852.	1.4	231
144	Linear density drift instabilities in very low beta plasmas: a different approach. <i>Journal of Plasma Physics</i> , 1983, 30, 75-94.	0.7	6

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145	Collisionless electrostatic interchange instabilities. <i>Journal of Plasma Physics</i> , 1982, 28, 551-564.	0.7	14
146	The source of proton anisotropy in the high-speed solar wind. <i>Journal of Geophysical Research</i> , 1981, 86, 541-546.	3.3	69
147	Nonlinear theory of the Weibel instability. <i>Journal of Plasma Physics</i> , 1979, 21, 287-300.	0.7	28
148	A second-order theory for $\omega \ll \Omega_0$ electromagnetic instabilities. <i>Physics of Fluids</i> , 1978, 21, 72.	1.4	53
149	Electromagnetic instabilities driven by unequal proton beams in the solar wind. <i>Journal of Geophysical Research</i> , 1976, 81, 2743-2749.	3.3	87
150	Electromagnetic Ion-Beam Instabilities in the Solar Wind. <i>Physical Review Letters</i> , 1975, 35, 667-670.	2.9	64
151	Electron heat flux instabilities in the solar wind. <i>Geophysical Research Letters</i> , 1975, 2, 79-82.	1.5	78
152	Evidence for local ion heating in solar wind high speed streams. <i>Geophysical Research Letters</i> , 1975, 2, 373-375.	1.5	74
153	Solar wind electrons. <i>Journal of Geophysical Research</i> , 1975, 80, 4181-4196.	3.3	651
154	Heat flux instabilities in the solar wind. <i>Journal of Geophysical Research</i> , 1975, 80, 4197-4203.	3.3	134
155	Anomalous Resistivity Due to Electrostatic Turbulence. <i>Physical Review Letters</i> , 1971, 26, 1097-1100.	2.9	41