

S Peter Gary

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156
papers

8,352
citations

52
h-index

85
g-index

156
ext. papers

8,887
ext. citations

3.8
avg, IF

6.08
L-index

#	Paper	IF	Citations
156	Intermittency and Ion Temperature Anisotropy Instabilities: Simulation and Magnetosheath Observation. <i>Astrophysical Journal</i> , 2020 , 895, 83	4.7	4
155	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	4.3	1
154	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	4.7	3
153	Dissipation of Kinetic Alfvénic Turbulence as a Function of Ion and Electron Temperature Ratios. <i>Astrophysical Journal</i> , 2019 , 882, 29	4.7	7
152	Super-Alfvénic Propagation and Damping of Reconnection Onset Signatures. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 341-349	2.6	6
151	MMS Observations of Beta-dependent Constraints on Ion Temperature Anisotropy in Earth's Magnetosheath. <i>Astrophysical Journal</i> , 2018 , 866, 25	4.7	10
150	Species Entropies in the Kinetic Range of Collisionless Plasma Turbulence: Particle-in-cell Simulations. <i>Astrophysical Journal</i> , 2018 , 859, 110	4.7	5
149	Particle-in-cell Simulations of Electron and Ion Dissipation by Whistler Turbulence: Variations with Electron β . <i>Astrophysical Journal Letters</i> , 2017 , 835, L15	7.9	8
148	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	2.6	12
147	Scalings for the Alfvén-cyclotron instability: Linear dispersion theory and hybrid particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 464-474	2.6	6
146	Kinetic Alfvén Turbulence: Electron and Ion Heating by Particle-in-cell Simulations. <i>Astrophysical Journal Letters</i> , 2017 , 847, L14	7.9	23
145	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	2.6	9
144	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	2.6	9
143	Ring/Shell Ion Distributions at Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,055-12,071	2.6	11
142	Generation of Highly Oblique Lower Band Chorus Via Nonlinear Three-Wave Resonance. <i>Geophysical Research Letters</i> , 2017 , 44, 9532-9538	4.9	19
141	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	2.6	27
140	Predicting electromagnetic ion cyclotron wave amplitude from unstable ring current plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,954-10,965	2.6	11

139	WHISTLER TURBULENCE HEATING OF ELECTRONS AND IONS: THREE-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS. <i>Astrophysical Journal</i> , 2016 , 816, 102	4.7	27
138	Effects of variations in electron thermal velocity on the whistler anisotropy instability: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2016 , 23, 042106	2.1	5
137	On the generation of double layers from ion- and electron-acoustic instabilities. <i>Physics of Plasmas</i> , 2016 , 23, 032308	2.1	5
136	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	2.6	52
135	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2016 , 827, L8	7.9	41
134	WHISTLER TURBULENCE FORWARD CASCADE VERSUS INVERSE CASCADE: THREE-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS. <i>Astrophysical Journal</i> , 2015 , 800, 87	4.7	11
133	Short-wavelength plasma turbulence and temperature anisotropy instabilities: recent computational progress. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015 , 373,	3	23
132	Turbulent dissipation challenge: a community-driven effort. <i>Journal of Plasma Physics</i> , 2015 , 81,	2.7	30
131	Nonlinear subcyclotron resonance as a formation mechanism for gaps in banded chorus. <i>Geophysical Research Letters</i> , 2015 , 42, 3150-3159	4.9	13
130	Electron and ion heating by whistler turbulence: Three-dimensional particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2014 , 41, 8681-8687	4.9	21
129	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	2.6	26
128	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	2.6	15
127	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	2.6	77
126	Energy dissipation by whistler turbulence: Three-dimensional particle-in-cell simulations. <i>Physics of Plasmas</i> , 2014 , 21, 052305	2.1	20
125	Particle-in-cell simulations of velocity scattering of an anisotropic electron beam by electrostatic and electromagnetic instabilities. <i>Physics of Plasmas</i> , 2014 , 21, 042108	2.1	7
124	Do dispersive waves play a role in collisionless magnetic reconnection?. <i>Physics of Plasmas</i> , 2014 , 21, 022113	2.1	41
123	NONLINEAR AND LINEAR TIMESCALES NEAR KINETIC SCALES IN SOLAR WIND TURBULENCE. <i>Astrophysical Journal</i> , 2014 , 790, 155	4.7	45
122	Dispersion relation analysis of turbulent magnetic field fluctuations in fast solar wind. <i>Annales Geophysicae</i> , 2013 , 31, 1949-1955	2	26

121	TEST FOR WAVEVECTOR ANISOTROPIES IN PLASMA TURBULENCE CASCADES. <i>Astrophysical Journal</i> , 2013 , 769, 36	4.7	10
120	ANALYTIC MODEL OF THE IBEX RIBBON WITH NEUTRAL SOLAR WIND BASED ION PICKUP BEYOND THE HELIOPAUSE. <i>Astrophysical Journal</i> , 2013 , 766, 129	4.7	48
119	Whistler turbulence at variable electron beta: Three-dimensional particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2824-2833	2.6	38
118	Pickup proton instabilities and scattering in the distant solar wind and the outer heliosheath: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		23
117	Whistler anisotropy instability with a cold electron component: Linear theory. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		16
116	OBSERVATION OF BERNSTEIN WAVES EXCITED BY NEWBORN INTERSTELLAR PICKUP IONS IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2012 , 745, 112	4.7	23
115	Beta dependence of electron heating in decaying whistler turbulence: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2012 , 19, 012312	2.1	18
114	FORWARD CASCADE OF WHISTLER TURBULENCE: THREE-DIMENSIONAL PARTICLE-IN-CELL SIMULATIONS. <i>Astrophysical Journal</i> , 2012 , 755, 142	4.7	64
113	INSTABILITY-DRIVEN LIMITS ON HELIUM TEMPERATURE ANISOTROPY IN THE SOLAR WIND: OBSERVATIONS AND LINEAR VLASOV ANALYSIS. <i>Astrophysical Journal</i> , 2012 , 748, 137	4.7	102
112	Alfvén-cyclotron instability with singly ionized helium: Linear theory. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		21
111	Dispersion relation analysis of solar wind turbulence. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	89
110	Excitation of magnetosonic waves in the terrestrial magnetosphere: Particle-in-cell simulations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		85
109	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		13
108	Excitation of banded whistler waves in the magnetosphere. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	37
107	Whistler turbulence forward cascade: Three-dimensional particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	33
106	Bernstein instability driven by suprathermal protons in the ring current. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		20
105	EFFECT OF DIFFERENTIAL FLOW OF ALPHA PARTICLES ON PROTON PRESSURE ANISOTROPY INSTABILITIES IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2011 , 742, 41	4.7	35
104	Whistler anisotropy instability at low electron β : Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2011 , 18, 082902	2.1	49

103	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	2.4	22
102	Wavenumber spectrum of whistler turbulence: Particle-in-cell simulation. <i>Physics of Plasmas</i> , 2010 , 17, 122316	2.1	48
101	Relativistic electron scattering by electromagnetic ion cyclotron fluctuations: Test particle simulations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		41
100	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, n/a-n/a		65
99	Hybrid simulations of the termination shock: Suprathermal ion velocity distributions in the heliosheath. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		22
98	Heliosheath fluctuations near the perpendicular termination shock: Two-dimensional hybrid simulations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		2
97	Multiple harmonic ULF waves in the plasma sheet boundary layer: Instability analysis. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		35
96	Ion Bernstein instability in the terrestrial magnetosphere: Linear dispersion theory. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		68
95	WHISTLER TURBULENCE WAVEVECTOR ANISOTROPIES: PARTICLE-IN-CELL SIMULATIONS. <i>Astrophysical Journal</i> , 2010 , 716, 1332-1335	4.7	25
94	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	4.7	68
93	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, 082307	2.1	17
92	Two-dimensional hybrid simulations of superdiffusion at the magnetopause driven by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		41
91	Energy dissipation and ion heating at the heliospheric termination shock. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		24
90	Ion observations from geosynchronous orbit as a proxy for ion cyclotron wave growth during storm times. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		53
89	Short-wavelength turbulence in the solar wind: Linear theory of whistler and kinetic Alfvén fluctuations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		103
88	Fluctuations in electron-positron plasmas: Linear theory and implications for turbulence. <i>Physics of Plasmas</i> , 2009 , 16, 042104	2.1	13
87	DISSIPATION WAVENUMBERS FOR TURBULENCE IN ELECTRON-POSITRON PLASMAS. <i>Astrophysical Journal</i> , 2009 , 701, 1695-1700	4.7	2
86	Cascade of whistler turbulence: Particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	90

85	Perpendicular scattering for electron beams by the electron/electron instability in solar electron bursts. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		1
84	Whistler turbulence: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2008 , 15, 102305	2.1	111
83	Damping of long-wavelength kinetic Alfvén fluctuations: Linear theory. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		20
82	Hot solar-wind helium: direct evidence for local heating by Alfvén-cyclotron dissipation. <i>Physical Review Letters</i> , 2008 , 101, 261103	7.4	151
81	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,	4.9	32
80	Scattering of suprathermal electrons in the solar wind: ACE observations. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		55
79	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		36
78	Broadening of solar wind strahl pitch-angles by the electron/electron instability: Particle-in-cell simulations. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	30
77	Hybrid simulations of debris-ambient ion interactions in astrophysical explosions. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		35
76	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	2.9	11
75	Alfvén-cyclotron scattering of solar wind ions: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2006 , 111,		24
74	Linear theory of electron temperature anisotropy instabilities: Whistler, mirror, and Weibel. <i>Journal of Geophysical Research</i> , 2006 , 111,		82
73	Signatures of Alfvén-cyclotron wave-ion scattering: Advanced Composition Explorer (ACE) solar wind observations. <i>Journal of Geophysical Research</i> , 2005 , 110,		23
72	Electron anisotropy constraint in the magnetosheath: Cluster observations. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	52
71	Alfvén wave heating of heavy ions in the expanding solar wind: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2005 , 110,		42
70	Learning about coronal heating from solar wind observations). <i>Physics of Plasmas</i> , 2005 , 12, 056501	2.1	13
69	Kinetic Alfvén waves: Linear theory and a particle-in-cell simulation. <i>Journal of Geophysical Research</i> , 2004 , 109,		50
68	Alfvén-cyclotron fluctuations: Linear Vlasov theory. <i>Journal of Geophysical Research</i> , 2004 , 109,		75

67	Solar Wind Temperature Anisotropies. <i>AIP Conference Proceedings</i> , 2003 ,	0	35
66	Deep Space 1 encounter with Comet 19P/Borrelly: Ion composition measurements by the PEPE mass spectrometer. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	16
65	Consequences of proton and alpha anisotropies in the solar wind: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2003 , 108,		48
64	Particle-in-cell simulations of Alfvén-cyclotron wave scattering: Proton velocity distributions. <i>Journal of Geophysical Research</i> , 2003 , 108,		37
63	Resonant electron firehose instability: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2003 , 10, 3571-3576	11	70
62	Wind/SWE observations of firehose constraint on solar wind proton temperature anisotropy. <i>Geophysical Research Letters</i> , 2002 , 29, 20-1-20-4	4.9	198
61	Whistler anisotropy instability: Wave-particle scattering rate. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 18-1		17
60	Resonant heating and acceleration of ions in coronal holes driven by cyclotron resonant spectra. <i>Journal of Geophysical Research</i> , 2002 , 107, SSH 9-1-SSH 9-9		51
59	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		31
58	Constraints on the O[TSUP]+5[TSUP] Anisotropy in the Solar Corona. <i>Astrophysical Journal</i> , 2001 , 547, L175-L178	4.7	39
57	On the dissipation of magnetic fluctuations in the solar wind. <i>Geophysical Research Letters</i> , 2001 , 28, 1347-1350	4.9	56
56	Helium energetics in the high-latitude solar wind: Ulysses observations. <i>Journal of Geophysical Research</i> , 2001 , 106, 5693-5708		55
55	Ion distributions in large magnetic holes in the fast solar wind. <i>Journal of Geophysical Research</i> , 2001 , 106, 5635-5648		59
54	Electromagnetic heavy ion cyclotron instability: Anisotropy constraint in the solar corona. <i>Journal of Geophysical Research</i> , 2001 , 106, 10715-10722		35
53	Solar wind magnetic fluctuation spectra: Dispersion versus damping. <i>Journal of Geophysical Research</i> , 2001 , 106, 8273-8281		180
52	Solar cycle variations in the electron heat flux: Ulysses observations. <i>Geophysical Research Letters</i> , 2001 , 28, 2169-2172	4.9	24
51	Proton temperature anisotropy constraint in the solar wind: ACE observations. <i>Geophysical Research Letters</i> , 2001 , 28, 2759-2762	4.9	98
50	Role of electron physics in slow mode shocks. <i>Journal of Geophysical Research</i> , 2001 , 106, 25031-25039		10

- 49 Helium ion acceleration and heating by Alfvén/cyclotron fluctuations in the solar wind. *Journal of Geophysical Research*, **2001**, 106, 24955-24963 31
- 48 Alpha/proton magnetosonic instability in the solar wind. *Journal of Geophysical Research*, **2000**, 105, 20989-20996 46
- 47 Observed constraint on proton-proton relative velocities in the solar wind. *Geophysical Research Letters*, **2000**, 27, 53-56 4.9 74
- 46 Suprathermal ions and MHD turbulence observed upstream of an interplanetary shock by Advanced Composition Explorer. *Journal of Geophysical Research*, **2000**, 105, 7521-7531 12
- 45 Electron temperature anisotropy instabilities: Computer simulations. *Journal of Geophysical Research*, **2000**, 105, 10751-10759 42
- 44 Electromagnetic alpha/proton instabilities in the solar wind. *Geophysical Research Letters*, **2000**, 27, 1355-1358 4.9 48
- 43 Electromagnetic proton cyclotron anisotropy instability: Wave-particle scattering rate. *Geophysical Research Letters*, **2000**, 27, 2457-2459 4.9 22
- 42 Electron heat flux constraints in the solar wind. *Physics of Plasmas*, **1999**, 6, 2607-2612 2.1 37
- 41 Electromagnetic proton/proton instabilities in the solar wind: Simulations. *Journal of Geophysical Research*, **1999**, 104, 4657-4667 76
- 40 Collisionless dissipation wavenumber: Linear theory. *Journal of Geophysical Research*, **1999**, 104, 6759-6762 45
- 39 Solar wind electrons: Parametric constraints. *Journal of Geophysical Research*, **1999**, 104, 19843-19849 27
- 38 Proton resonant firehose instability: Temperature anisotropy and fluctuating field constraints. *Journal of Geophysical Research*, **1998**, 103, 14567-14574 91
- 37 Proton temperature anisotropy upper bound. *Journal of Geophysical Research*, **1997**, 102, 27159-27169 89
- 36 Whistler instability: Electron anisotropy upper bound. *Journal of Geophysical Research*, **1996**, 101, 10749-10754 4.9 39
- 35 Electromagnetic proton cyclotron instability: Interactions with magnetospheric protons. *Journal of Geophysical Research*, **1995**, 100, 21961-21972 74
- 34 A limited closure relation for anisotropic plasmas from the Earth's magnetosheath*. *Physics of Plasmas*, **1994**, 1, 1676-1683 2.1 53
- 33 Magnetic spectral signatures in the Earth's magnetosheath and plasma depletion layer. *Journal of Geophysical Research*, **1994**, 99, 5877 196
- 32 Two-dimensional simulations of ion anisotropy instabilities in the magnetosheath. *Journal of Geophysical Research*, **1994**, 99, 11141 46

31	The proton cyclotron instability and the anisotropy/Inverse correlation. <i>Journal of Geophysical Research</i> , 1994 , 99, 5903		110
30	The ion cyclotron anisotropy instability and the inverse correlation between proton anisotropy and proton beta. <i>Journal of Geophysical Research</i> , 1994 , 99, 11297		92
29	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		61
28	Regulation of the solar wind electron heat flux from 1 to 5 AU: Ulysses observations. <i>Journal of Geophysical Research</i> , 1994 , 99, 23401		82
27	Hot proton anisotropies and cool proton temperatures in the outer magnetosphere. <i>Journal of Geophysical Research</i> , 1994 , 99, 23603		64
26	Ion cyclotron anisotropy instabilities in the magnetosheath: Theory and simulations. <i>Journal of Geophysical Research</i> , 1993 , 98, 3963-3971		44
25	Simulations of ion cyclotron anisotropy instabilities in the terrestrial magnetosheath. <i>Journal of Geophysical Research</i> , 1993 , 98, 9171		42
24	Theory of Space Plasma Microinstabilities 1993 ,		636
23	The mirror and ion cyclotron anisotropy instabilities. <i>Journal of Geophysical Research</i> , 1992 , 97, 8519		175
22	Mirror and ion cyclotron anisotropy instabilities in the magnetosheath. <i>Journal of Geophysical Research</i> , 1992 , 97, 19421		55
21	Kinetic properties of mirror waves in magnetosheath plasmas. <i>Geophysical Research Letters</i> , 1992 , 19, 1331-1334	4.9	29
20	Computer simulations of cometary-ion/ion instabilities and wave growth. <i>Journal of Geophysical Research</i> , 1989 , 94, 3513		53
19	Electromagnetic ion instabilities in a cometary environment. <i>Journal of Geophysical Research</i> , 1988 , 93, 235		80
18	The ion-ion acoustic instability. <i>Journal of Plasma Physics</i> , 1987 , 37, 45-61	2.7	88
17	Plasma Instabilities in the Terrestrial Magnetosphere: A Review of Recent Theoretical Research. <i>Physica Scripta</i> , 1987 , T18, 179-187	2.6	2
16	Low-frequency waves in a high-beta collisionless plasma: polarization, compressibility and helicity. <i>Journal of Plasma Physics</i> , 1986 , 35, 431-447	2.7	100
15	The development of shell-like distributions from newborn cometary ions. <i>Geophysical Research Letters</i> , 1986 , 13, 1364-1367	4.9	72
14	The second-order theory of electromagnetic hot ion beam instabilities. <i>Journal of Geophysical Research</i> , 1985 , 90, 65-72		38

13	Electromagnetic ion beam instabilities. <i>Physics of Fluids</i> , 1984 , 27, 1852		204
12	Linear density drift instabilities in very low beta plasmas: a different approach. <i>Journal of Plasma Physics</i> , 1983 , 30, 75-94	2.7	5
11	Collisionless electrostatic interchange instabilities. <i>Journal of Plasma Physics</i> , 1982 , 28, 551-564	2.7	12
10	The source of proton anisotropy in the high-speed solar wind. <i>Journal of Geophysical Research</i> , 1981 , 86, 541		67
9	Nonlinear theory of the Weibel instability. <i>Journal of Plasma Physics</i> , 1979 , 21, 287-300	2.7	21
8	A second-order theory for $k \parallel B_0$ electromagnetic instabilities. <i>Physics of Fluids</i> , 1978 , 21, 72		47
7	Electromagnetic instabilities driven by unequal proton beams in the solar wind. <i>Journal of Geophysical Research</i> , 1976 , 81, 2743-2749		79
6	Electromagnetic Ion-Beam Instabilities in the Solar Wind. <i>Physical Review Letters</i> , 1975 , 35, 667-670	7.4	60
5	Electron heat flux instabilities in the solar wind. <i>Geophysical Research Letters</i> , 1975 , 2, 79-82	4.9	69
4	Evidence for local ion heating in solar wind high speed streams. <i>Geophysical Research Letters</i> , 1975 , 2, 373-375	4.9	70
3	Solar wind electrons. <i>Journal of Geophysical Research</i> , 1975 , 80, 4181-4196		574
2	Heat flux instabilities in the solar wind. <i>Journal of Geophysical Research</i> , 1975 , 80, 4197-4203		122
1	Anomalous Resistivity Due to Electrostatic Turbulence. <i>Physical Review Letters</i> , 1971 , 26, 1097-1100	7.4	36