Peter H Yoon

List of Publications by Year in Descending Order

193	3,289	32	47
papers	citations	h-index	g-index
199	3,516	2.8	5.94
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
193	Simulation of Plasma Emission in Magnetized Plasmas. *Astrophysical Journal*, **2022**, 924, 36	4.7	2
192	Electron Acceleration by Quasilinear Processes in the Presence of a Ring-beam Electron Population. *Brazilian Journal of Physics*, **2022**, 52, 1	1.2	
191	Proton-Alpha Drift Instability of Electromagnetic Ion-Cyclotron Modes: Quasilinear Development **2021**, 3, 1175-1189	2.1	
190	Polarization vector formalism of plasma weak turbulence. *AIP Advances*, **2021**, 11, 125103	1.5	1
189	Advanced Numerical Tools for Studying Waves and Instabilities in Kappa Distributed Plasmas. *Astrophysics and Space Science Library*, **2021**, 163-184	0.3	
188	Non-equilibrium Statistical Mechanics of Electron Kappa Distribution. *Astrophysics and Space Science Library*, **2021**, 235-277	0.3	
187	Weak magnetohydrodynamic turbulence. *Physics of Plasmas*, **2021**, 28, 082306	2.1	3
186	Structural Characteristics of Ion Holes in Plasma. *Plasma*, **2021**, 4, 435-449	1.7	1
185	Electrostatic weak turbulence theory for warm magnetized plasmas. *Physics of Plasmas*, **2021**, 28, 122302	2.1	
184	The Effects of Upper-Hybrid Waves on Energy Dissipation in the Electron Diffusion Region. *Geophysical Research Letters*, **2020**, 47, e2020GL089778	4.9	1
183	Theory of ion holes in space and astrophysical plasmas. *Monthly Notices of the Royal Astronomical Society: Letters*, **2020**, 497, L69-L75	4.3	4
182	Dynamical Coupling of Energetic Electrons and Upper-Hybrid Thermal Fluctuations in the Earth's Radiation Belt. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027748	2.6	
181	Non-equilibrium statistical mechanical approach to the formation of non-Maxwellian electron distribution in space. *European Physical Journal: Special Topics*, **2020**, 229, 819-840	2.3	8
180	High-Frequency Waves Driven by Agyrotropic Electrons Near the Electron Diffusion Region. *Geophysical Research Letters*, **2020**, 47, e2020GL087111	4.9	4
179	On the Generation of Compressible Mirror-mode Fluctuations in the Inner Heliosheath. *Astrophysical Journal*, **2020**, 901, 76	4.7	2
178	Thermodynamic, Non-Extensive, or Turbulent Quasi-Equilibrium for the Space Plasma Environment. *Entropy*, **2019**, 21, 820	2.8	7
177	Nonlinear Electrostatic Equations for Collisionless Plasmas **2019**, 3-45		

158	Quasi Thermal Noise Spectroscopy for Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2811-2818	2.6	3
157	High-Frequency Wave Generation in Magnetotail Reconnection: Nonlinear Harmonics of Upper Hybrid Waves. *Geophysical Research Letters*, **2019**, 46, 7873-7882	4.9	11
156	Classical Kinetic Theory of Weakly Turbulent Nonlinear Plasma Processes **2019**,		16
155	Weak turbulence theory for beam-plasma interaction. *Physics of Plasmas*, **2018**, 25, 011603	2.1	6
154	Nonlinear evolutions of large amplitude oblique whistler waves. *Physics of Plasmas*, **2018**, 25, 062904	2.1	2
153	Simulation and Quasi-Linear Theory of Whistler Anisotropy Instability. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3277-3290	2.6	6
152	Electromagnetic Thermal Noise in Upper-Hybrid Frequency Range. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5356-5363	2.6	3
151	Simulation and Quasi-linear Theory of Magnetospheric Bernstein Mode Instability. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 7320-7331	2.6	5
150	Effects of Thermal Fluctuations on Temperature Anisotropy Instabilities in the Solar Wind. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8924-8939	2.6	4
149	High-Frequency Thermal Fluctuations and Instabilities in the Radiation Belt Environment. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9239-9251	2.6	2
148	Interplay of Electron and Proton Instabilities in Expanding Solar Wind. *Astrophysical Journal*, **2017**, 835, 246	4.7	19
147	Spontaneous emission of electromagnetic fluctuations in magnetized plasmas. *Physics of Plasmas*, **2017**, 24, 022117	2.1	15
146	Upper hybrid waves and energetic electrons in the radiation belt. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5365-5376	2.6	14
145	Kinetic instabilities in the solar wind driven by temperature anisotropies. *Reviews of Modern Plasma Physics*, **2017**, 1, 1	5.6	48
144	Turbulent Equilibria for Charged Particles in Space. *Journal of Physics: Conference Series*, **2017**, 900, 012022		
143	Simulation of electromagnetic fluctuations in thermal magnetized plasma. *Plasma Physics and Controlled Fusion*, **2017**, 59, 115003	2	26
142	Kinetic Scale Structure of Low-frequency Waves and Fluctuations. *Astrophysical Journal*, **2017**, 845, 60	4.7	15
141	SUPRATHERMAL SOLAR WIND ELECTRONS AND LANGMUIR TURBULENCE. *Astrophysical Journal*, **2016**, 828, 60	4.7	15

140	REVISED MODEL OF THE STEADY-STATE SOLAR WIND HALO ELECTRON VELOCITY DISTRIBUTION FUNCTION. *Astrophysical Journal*, **2016**, 826, 204	4.7	12
139	ON THE ISOTROPIZATION OF SOLAR WIND PROTONS. *Astrophysical Journal*, **2016**, 833, 106	4.7	8
138	Collisional relaxation of bi-Maxwellian plasma temperatures in magnetized plasmas. *Physics of Plasmas*, **2016**, 23, 072114	2.1	13
137	Spontaneous emission of electromagnetic and electrostatic fluctuations in magnetized plasmas: Quasi-parallel modes. *Physics of Plasmas*, **2016**, 23, 022111	2.1	9
136	Ion temperature anisotropy due to perpendicular heating by Alfvén wave propagating along magnetic field lines. *Physics of Plasmas*, **2016**, 23, 092903	2.1	2
135	Proton temperature relaxation in the solar wind by combined collective and collisional processes. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 10,665	2.6	11
134	Simulation and quasilinear theory of aperiodic ordinary mode instability. *Physics of Plasmas*, **2015**, 22, 082122	2.1	14
133	STEADY-STATE MODEL OF SOLAR WIND ELECTRONS REVISITED. *Astrophysical Journal*, **2015**, 812, 169	4.7	7
132	STRAHL FORMATION IN THE SOLAR WIND ELECTRONS VIA WHISTLER INSTABILITY. *Astrophysical Journal Letters*, **2015**, 811, L7	7.9	19
131	Kinetic theory of turbulence for parallel propagation revisited: Low-to-intermediate frequency regime. *Physics of Plasmas*, **2015**, 22, 092307	2.1	6
130	Kinetic theory of weak turbulence in magnetized plasmas: Perpendicular propagation. *Physics of Plasmas*, **2015**, 22, 082310	2.1	29
129	Kinetic theory of turbulence for parallel propagation revisited: Formal results. *Physics of Plasmas*, **2015**, 22, 082309	2.1	9
128	Macroscopic quasi-linear theory and particle-in-cell simulation of helium ion anisotropy instabilities. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 6071-6084	2.6	18
127	ASYMPTOTIC THEORY OF SOLAR WIND ELECTRONS. *Astrophysical Journal*, **2015**, 806, 32	4.7	27
126	Simulation and quasilinear theory of proton firehose instability. *Physics of Plasmas*, **2015**, 22, 012303	2.1	37
125	Bernstein instability driven by thermal ring distribution. *Physics of Plasmas*, **2014**, 21, 074502	2.1	9
124	Electron kappa distribution and quasi-thermal noise. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 7074-7087	2.6	94
123	Proton-cyclotron and firehose instabilities in inhomogeneous plasmas. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 7108-7119	2.6	19

122	Oblique nonlinear whistler wave. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1851-1862	2.6	19
121	Electron distributions observed with Langmuir waves in the plasma sheet boundary layer. *Physics of Plasmas*, **2014**, 21, 092121	2.1	2
120	Quasilinear theory and particle-in-cell simulation of proton cyclotron instability. *Physics of Plasmas*, **2014**, 21, 062118	2.1	34
119	Loss cone-driven cyclotron maser instability. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7036-7044	2.6	15
118	Solar-wind proton anisotropy versus beta relation. *Physical Review Letters*, **2013**, 110, 071103	7.4	42
117	Ion Pickup by the Solar Wind Via Wave-Particle Interactions. *Geophysical Monograph Series*, **2013**, 241-258	8.1	7
116	Solar Wind Electron Acceleration via Langmuir Turbulence. *Terrestrial, Atmospheric and Oceanic Sciences*, **2013**, 24, 175	1.8	5
115	Relativistic electron acceleration by oblique whistler waves. *Physics of Plasmas*, **2013**, 20, 112902	2.1	12
114	ASYMMETRIC ELECTRON DISTRIBUTIONS IN THE SOLAR WIND. *Astrophysical Journal Letters*, **2013**, 775, L21	7.9	22
113	QUIET-TIME INTERPLANETARY ~2-20 keV SUPERHALO ELECTRONS AT SOLAR MINIMUM. *Astrophysical Journal Letters*, **2012**, 753, L23	7.9	98
112	Electron kappa distribution and steady-state Langmuir turbulence. *Physics of Plasmas*, **2012**, 19, 052301	2.1	31
111	Asymptotic equilibrium between Langmuir turbulence and suprathermal electrons in three dimensions. *Physics of Plasmas*, **2012**, 19, 012304	2.1	22
110	Empirical versus exact numerical quasilinear analysis of electromagnetic instabilities driven by temperature anisotropy. *Journal of Plasma Physics*, **2012**, 78, 47-54	2.7	15
109	Quasilinear theory of anisotropy-beta relation for combined mirror and proton cyclotron instabilities. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		38
108	ASYMMETRIC SOLAR WIND ELECTRON DISTRIBUTIONS. *Astrophysical Journal*, **2012**, 755, 112	4.7	30
107	Quasilinear theory of anisotropy-beta relations for proton cyclotron and parallel firehose instabilities. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		46
106	Turbulent Equilibrium and Nonextensive Entropy. *Thirty Years of Astronomical Discovery With UKIRT*, **2012**, 91-96	0.3	1
105	Large-amplitude whistler waves and electron acceleration. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	31

104	Asymptotic equilibrium between Langmuir turbulence and suprathermal electrons. *Physics of Plasmas*, **2011**, 18, 122303	2.1	24
103	Empirical model of whistler anisotropy instability. *Physics of Plasmas*, **2011**, 18, 102103	2.1	5
102	Simulation and theory for two-dimensional beam-plasma instability. *Physics of Plasmas*, **2010**, 17, 122318	2.1	7
101	MULTIPLE HARMONIC PLASMA EMISSION. *Astrophysical Journal*, **2009**, 694, 618-625	4.7	46
100	Nonlinear saturation of relativistic Weibel instability driven by thermal anisotropy. *Physics of Plasmas*, **2009**, 16, 082103	2.1	19
99	Kinetic theory for low-frequency turbulence in magnetized plasmas including discrete-particle effects. *Physics of Plasmas*, **2008**, 15, 122312	2.1	14
98	Parallel cascade of Alfvén waves. *Plasma Physics and Controlled Fusion*, **2008**, 50, 085007	2	22
97	Anomalous resistivity by fluctuation in the lower-hybrid frequency range. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		7
96	Kinetic theory of hydromagnetic turbulence. I. Formal results for parallel propagation. *Physics of Plasmas*, **2007**, 14, 102302	2.1	24
95	Kinetic theory of hydromagnetic turbulence. II. Susceptibilities. *Physics of Plasmas*, **2007**, 14, 102303	2.1	15
94	Multiple harmonic plasma emission. *Physics of Plasmas*, **2007**, 14, 013301	2.1	9
93	Ring-beam driven maser instability for quasiperpendicular shocks. *Physics of Plasmas*, **2007**, 14, 022901	2.1	14
92	Spontaneous thermal magnetic field fluctuation. *Physics of Plasmas*, **2007**, 14, 064504	2.1	33
91	Relativistic Weibel instability. *Physics of Plasmas*, **2007**, 14, 024504	2.1	60
90	Further investigation of energy principle for model current sheets. *Physics of Plasmas*, **2006**, 13, 032301	2.1	2
89	Statistical theory of electromagnetic weak turbulence. *Physics of Plasmas*, **2006**, 13, 022302	2.1	48
88	On the current sheet model with distribution. *Physics of Plasmas*, **2006**, 13, 102108	2.1	12
87	Nonlinear energy principle for model current sheets. *Physics of Plasmas*, **2006**, 13, 012301	2.1	2

86	Global two-fluid stability of bifurcated current sheets. *Journal of Geophysical Research*, **2006**, 111,		4
85	Quasi-linear theory of anomalous resistivity. *Journal of Geophysical Research*, **2006**, 111,		19
84	Self-consistent formation of electron ⬚distribution: 2. Further numerical investigation. *Journal of Geophysical Research*, **2006**, 111,		29
83	Self-consistent formation of electron ⬚distribution: 1. Theory. *Journal of Geophysical Research*, **2006**, 111,		74
82	Weak Langmuir Turbulence. *COSPAR Colloquia Series*, **2005**, 16, 251-260		
81	Self-consistent generation of superthermal electrons by beam-plasma interaction. *Physical Review Letters*, **2005**, 95, 215003	7.4	102
80	Effects of spontaneous fluctuations on the generalized weak turbulence theory. *Physics of Plasmas*, **2005**, 12, 042306	2.1	37
79	Effects of spontaneous thermal fluctuations on nonlinear beam-plasma interaction. *Physics of Plasmas*, **2005**, 12, 062310	2.1	6
78	Harmonics of electromagnetic and electrostatic plasma waves. *Physics of Plasmas*, **2005**, 12, 052305	2.1	12
77	Progress in the kinetic theory of electrostatic harmonics of plasma waves. *Physics of Plasmas*, **2005**, 12, 052313	2.1	5
76	Nonlinear electromagnetic susceptibilities of unmagnetized plasmas. *Physics of Plasmas*, **2005**, 12, 112306	2.1	9
75	Exact energy principle in magnetic reconnection for current-sheet models. *Physical Review Letters*, **2005**, 94, 175004	7.4	8
74	Lower-hybrid-drift and modified-two-stream instabilities in current sheet equilibrium. *Journal of Geophysical Research*, **2004**, 109,		28
73	Model of ion- or electron-dominated current sheet. *Journal of Geophysical Research*, **2004**, 109,		45
72	Nonlinear frequency shift of the dust ion-acoustic wave. *Physics of Plasmas*, **2004**, 11, 3191-3195	2.1	1
71	Nonlinear frequency shift of a coherent dust-acoustic wave in the presence of dust-acoustic turbulence. *Physics of Plasmas*, **2003**, 10, 4278-4283	2.1	2
70	Particle kinetic equation including weakly turbulent mode coupling. *Physics of Plasmas*, **2003**, 10, 3881-3886	2.1	24
69	Effects of magnetized ions on the lower-hybrid-drift instability. *Physics of Plasmas*, **2003**, 10, 4260-4264	2.1	5

68	Unified formulation for inhomogeneity-driven instabilities in the lower-hybrid range. *Physical Review E*, **2002**, 65, 036407	2.4	11
67	Generation of harmonic Langmuir mode by beam-plasma instability. *Physics of Plasmas*, **2002**, 9, 96-110	2.1	16
66	Effects of nonlinear frequency shifts on certain induced scattering processes. *Physics of Plasmas*, **2002**, 9, 4520-4524	2.1	3
65	Nonlinear frequency shifts of plasma eigenmodes. *Physics of Plasmas*, **2002**, 9, 4166-4173	2.1	9
64	A beam-maser instability: Direct amplification of radiation. *Physics of Plasmas*, **2002**, 9, 2816-2821	2.1	22
63	Generation of Type III Solar Radio Bursts in the Low Corona by Direct Amplification. *Astrophysical Journal*, **2002**, 575, 1094-1103	4.7	65
62	Generalized lower-hybrid drift instabilities in current-sheet equilibrium. *Physics of Plasmas*, **2002**, 9, 1526-1538	2.1	63
61	Nonlinear development of weak beam-plasma instability. *Physics of Plasmas*, **2001**, 8, 3982-3995	2.1	66
60	On the drift-sausage mode in one-dimensional current sheet. *Journal of Geophysical Research*, **2001**, 106, 1939-1947		14
59	Stabilization of lower-hybrid drift instability in the magnetotail by finite north-south magnetic field component and destabilization by sheared cross-field flow. *Journal of Geophysical Research*, **2001**, 106, 13203-13213		5
58	A Source of Energetic Particles Associated with Solar Flares. *Astrophysical Journal*, **2001**, 547, 1159-1166	4.7	9
57	On the harmonic component of type III solar radio bursts. *Geophysical Monograph Series*, **2000**, 47-56	1.1	1
56	Generalized weak turbulence theory. *Physics of Plasmas*, **2000**, 7, 4858-4871	2.1	59
55	Maser-beam instability of Bernstein waves. *Physics of Plasmas*, **2000**, 7, 4720-4728	2.1	7
54	A New Scenario for Type III Solar Radio Emission. *Astrophysical Journal*, **2000**, 540, 572-582	4.7	8
53	Excitation of extraordinary Bernstein waves by a beam of energetic electrons. *Journal of Geophysical Research*, **1999**, 104, 19801-19815		10
52	A theory for AKR fine frequency structure. *Geophysical Research Letters*, **1998**, 25, 4461-4464	4.9	12
51	On the generation of auroral radio emissions at harmonics of the lower ionospheric electron cyclotron frequency: X, O and Z mode maser calculations. *Journal of Geophysical Research*, **1998**, 103, 4071-4078		46

50	Two-fluid theory of drift-kink instability in a one-dimensional neutral sheet. *Journal of Geophysical Research*, **1998**, 103, 11875-11886		24
49	On the higher-order nonlinear corrections to the theory of plasma emission by a nonlinear beam instability. *Physics of Plasmas*, **1998**, 5, 2590-2595	2.1	8
48	Ion pitch-angle scattering by Alfvé waves. *Physics of Plasmas*, **1997**, 4, 4103-4117	2.1	23
47	Plasma emission by a nonlinear beam instability in a weakly magnetized plasma. *Physics of Plasmas*, **1997**, 4, 3863-3881	2.1	10
46	Motion of ions influenced by enhanced Alfvé waves. *Physics of Plasmas*, **1997**, 4, 856-862	2.1	32
45	Nonlocal ion-Weibel instability in the geomagnetic tail. *Journal of Geophysical Research*, **1996**, 101, 4899-4906		34
44	Lower ionospheric cyclotron maser theory: A possible source of $2f_{ce}$ and $3f_{ce}$ auroral radio emissions. *Journal of Geophysical Research*, **1996**, 101, 27015-27025		27
43	Theory and simulation of Kelvin-Helmholtz instability in the geomagnetic tail. *Journal of Geophysical Research*, **1996**, 101, 27327-27339		40
42	An Emission Mechanism for Extragalactic Radio Jets. *Astrophysical Journal*, **1996**, 459, 529	4.7	4
41	Quasilinear evolution of cyclotron maser instability. *Physical Review E*, **1995**, 51, 4908-4916	2.4	8
40	Plasma emission by a nonlinear beam instability. *Physics of Plasmas*, **1995**, 2, 537-548	2.1	24
39	Quasilinear analysis of loss-cone driven weakly relativistic electron cyclotron maser instability. *Physics of Plasmas*, **1995**, 2, 1285-1295	2.1	7
38	Preliminary nonlocal analysis of cross-field current instability for substorm expansion onset. *Journal of Geophysical Research*, **1995**, 100, 19147		29
37	Garden-hose instability in high-beta plasmas. *Physica Scripta*, **1995**, T60, 127-135	2.6	19
36	Lower-hybrid-drift instability operative in the geomagnetic tail. *Physics of Plasmas*, **1994**, 1, 3033-3043	2.1	41
35	Plasma emission via a beam instability with density modulation. *Physics of Plasmas*, **1994**, 1, 76-89	2.1	16
34	Theory of $2f_{pe}$ radiation induced by the bow shock. *Journal of Geophysical Research*, **1994**, 99, 23481		25
33	Generation of radiation in solar corona and interplanetary space by energetic electrons. *Astrophysical Journal*, **1994**, 429, 406	4.7	9

32	Quasi-linear analysis of ion Weibel instability in the Earth's neutral sheet. *Journal of Geophysical Research*, **1993**, 98, 153-163		82
31	Nonlinear analysis of generalized cross-field current instability. *Physics of Fluids B*, **1993**, 5, 836-853		46
30	Effect of finite ion gyroradius on the fire-hose instability in a high beta plasma. *Physics of Fluids B*, **1993**, 5, 1971-1979		65
29	Quasilinear evolution of Alfvén-ion-cyclotron and mirror instabilities driven by ion temperature anisotropy. *Physics of Fluids B*, **1992**, 4, 3627-3637		41
28	Ion heating by kinetic cross-field streaming instability due to reflected ions at a quasiperpendicular shock. *Physics of Fluids B*, **1992**, 4, 719-729		6
27	A purely growing electromagnetic mode operative in the geomagnetic tail. *Journal of Geophysical Research*, **1992**, 97, 141		16
26	Further evolution of velocity shell distribution of cometary and interstellar pickup ions and excitation of oblique Alfvén waves. *Journal of Geophysical Research*, **1992**, 97, 6467		2
25	Quasilinear diffusion rates of cometary ions. *Physics of Fluids B*, **1991**, 3, 2124-2132		2
24	Transition from reactive to kinetic electromagnetic instabilities generated by ring-beam ions. *Physics of Fluids B*, **1991**, 3, 2455-2462		1
23	Plasma heating by a purely growing mode driven by cross-field currents in quasiperpendicular collisionless shock. *Physics of Fluids B*, **1991**, 3, 3074-3081		8
22	Kinetic friction attributed to enhanced radiation by cyclotron maser instability. *Physical Review A*, **1991**, 44, 6819-6827	2.6	4
21	Kilometric radio waves generated along auroral field lines observed by ground facilities: A theoretical model. *Journal of Geophysical Research*, **1991**, 96, 1495-1501		10
20	The effect of background temperature on the synchrotron maser process. *Physics of Fluids B*, **1990**, 2, 1662-1665		
19	Alternative representation of the dielectric tensor for a relativistic magnetized plasma in thermal equilibrium. *Journal of Plasma Physics*, **1990**, 43, 269-281	2.7	5
18	Gyroharmonic maser instability for weakly relativistic electrons with a loss-cone distribution. *Physics of Fluids B*, **1990**, 2, 1918-1927		7
17	Amplification of a high-frequency electromagnetic wave by a relativistic plasma. *Physics of Fluids B*, **1990**, 2, 867-873		12
16	Electromagnetic fire-hose instability in a fully relativistic bi-Maxwellian plasma. *Physics of Fluids B*, **1990**, 2, 842-844		10
15	Kinetic instability associated with spherical shell distribution of cometary pickup ions. *Geophysical Research Letters*, **1990**, 17, 1033-1036	4.9	7

14	Kinetic hydromagnetic instabilities due to a spherical shell distribution of pickup ions. *Journal of Geophysical Research*, **1990**, 95, 10273		9
13	Pitch angle diffusion of newborn ions due to intrinsic turbulence in the solar wind. *Journal of Geophysical Research*, **1990**, 95, 17075		10
12	Development of pitch angle anisotropy and velocity diffusion of pickup ion shell distribution by solar wind turbulence. *Journal of Geophysical Research*, **1990**, 95, 17085		6
11	Pitch angle and velocity diffusions of newborn ions by turbulence in the solar wind. *Journal of Geophysical Research*, **1990**, 95, 21203		9
10	Stabilization of the cyclotron autoresonance maser instability by axial momentum spread. *Physical Review A*, **1989**, 39, 2534-2538	2.6	4
9	Nonlinear bound on unstable field energy in relativistic electron beams and plasmas. *Physics of Fluids B*, **1989**, 1, 195-203		21
8	A theory of electron cyclotron waves generated along auroral field lines observed by ground facilities. *Geophysical Research Letters*, **1989**, 16, 1461-1464	4.9	36
7	Evolution of an unstable shell distribution of pickup cometary ions. *Geophysical Research Letters*, **1989**, 16, 1473-1476	4.9	9
6	Electromagnetic Weibel instability in a fully relativistic bi-Maxwellian plasma. *Physics of Fluids B*, **1989**, 1, 1336-1338		56
5	Exact dielectric tensor for relativistic magnetized plasma with loss-cone and field-aligned drift. *Journal of Plasma Physics*, **1989**, 42, 193-204	2.7	8
4	Collective plasma microinstability as a possible mechanism for the one-sided core jet emission of extragalactic radio sources. *Astrophysical Journal*, **1989**, 343, 31	4.7	10
3	Closed-form analytical model of the electron whistler and cyclotron maser instabilities in relativistic plasma with arbitrary energy anisotropy. *Physical Review A*, **1987**, 35, 2619-2630	2.6	26
2	Exact analytical model of the classical Weibel instability in a relativistic anisotropic plasma. *Physical Review A*, **1987**, 35, 2718-2721	2.6	105
1	Two-fluid approach to weak plasma turbulence. *Plasma Physics and Controlled Fusion*,	2	2