Peter Yoon

List of Publications by Year in Descending Order

194 papers	3,446 citations	34 h-index	47 g-index
203 ext. papers	3,775 ext. citations	3.2 avg, IF	6.09 L-index

#	Paper	IF	Citations
194	Simulation of Plasma Emission in Magnetized Plasmas. *Astrophysical Journal*, **2022**, 924, 36	4.7	2
193	Electron Acceleration by Quasilinear Processes in the Presence of a Ring-beam Electron Population. *Brazilian Journal of Physics*, **2022**, 52, 1	1.2	
192	Quasilinear Model of Jovian Whistler Mode Emission. *Journal of Geophysical Research: Space Physics* , **2021**, 126, e2021JA029930	2.6	
191	Electron mirror and cyclotron instabilities for solar wind plasma. *Monthly Notices of the Royal Astronomical Society*, **2021**, 509, 3764-3771	4.3	3
190	Proton-Alpha Drift Instability of Electromagnetic Ion-Cyclotron Modes: Quasilinear Development **2021**, 3, 1175-1189	2.1	
189	Polarization vector formalism of plasma weak turbulence. *AIP Advances*, **2021**, 11, 125103	1.5	1
188	Non-equilibrium Statistical Mechanics of Electron Kappa Distribution. *Astrophysics and Space Science Library*, **2021**, 235-277	0.3	
187	Anomalous Proton Velocity Diffusion by Quasi-monochromatic Kinetic Alfvn Waves. *Astrophysical Journal*, **2021**, 910, 140	4.7	
186	Subluminal electrostatic noise in isotropic space plasmas. General formulas and nonrelativistic thermal limit. *Physics of Plasmas*, **2021**, 28, 052110	2.1	1
185	Weak magnetohydrodynamic turbulence. *Physics of Plasmas*, **2021**, 28, 082306	2.1	3
184	Structural Characteristics of Ion Holes in Plasma. *Plasma*, **2021**, 4, 435-449	1.7	1
183	Electrostatic weak turbulence theory for warm magnetized plasmas. *Physics of Plasmas*, **2021**, 28, 122302	2.1	
182	The Effects of Upper-Hybrid Waves on Energy Dissipation in the Electron Diffusion Region. *Geophysical Research Letters*, **2020**, 47, e2020GL089778	4.9	1
181	A firehose-like aperiodic instability of the counter-beaming electron plasmas. *Plasma Physics and Controlled Fusion*, **2020**,	2	1
180	The Generation of Upward-Propagating Whistler Mode Waves by Electron Beams in the Jovian Polar Regions. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027868	2.6	8
179	Theory of ion holes in space and astrophysical plasmas. *Monthly Notices of the Royal Astronomical Society: Letters*, **2020**, 497, L69-L75	4.3	4
178	Electromagnetic instabilities of low-beta alpha/proton beams in space plasmas. *Astrophysics and Space Science*, **2020**, 365, 1	1.6	1

177	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	
176	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
175	High-Frequency Waves Driven by Agyrotropic Electrons Near the Electron Diffusion Region. *Geophysical Research Letters*, **2020**, 47, e2020GL087111	4.9	4
174	On the Generation of Compressible Mirror-mode Fluctuations in the Inner Heliosheath. *Astrophysical Journal*, **2020**, 901, 76	4.7	2
173	Combined Whistler Heat Flux and Anisotropy Instabilities in Solar Wind. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027380	2.6	2
172	Combined electron firehose and electromagnetic ion cyclotron instabilities: quasilinear approach. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 659-667	4.3	4
171	The Role of Intense Upper Hybrid Resonance Emissions in the Generation of Saturn Narrowband Emission. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5709-5718	2.6	4
170	Quasilinear approach of the cumulative whistler instability in fast solar wind: Constraints of electron temperature anisotropy. *Astronomy and Astrophysics*, **2019**, 627, A76	5.1	11
169	Thermodynamic, Non-Extensive, or Turbulent Quasi-Equilibrium for the Space Plasma Environment. *Entropy*, **2019**, 21, 820	2.8	7
168	Solar Wind Temperature Isotropy. *Physical Review Letters*, **2019**, 123, 145101	7.4	13
167	Particle-in-cell and Weak Turbulence Simulations of Plasma Emission. *Astrophysical Journal*, **2019**, 871, 74	4.7	16
166	Nonlinear Development of Electron Heat Flux Instability: Particle in Cell Simulation. *Astrophysical Journal*, **2019**, 876, 117	4.7	9
165	Quasi Thermal Noise Spectroscopy for Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2811-2818	2.6	3
164	Quasi-linear approach of the whistler heat-flux instability in the solar wind. *Monthly Notices of the Royal Astronomical Society*, **2019**, 486, 4498-4507	4.3	21
163	Spatial damping of extraordinary-Bernstein wave. *Physics of Plasmas*, **2019**, 26, 042116	2.1	
162	Contributions of protons in electron firehose instability driven by solar wind core–halo electrons. *Monthly Notices of the Royal Astronomical Society*, **2019**, 486, 3550-3559	4.3	5
161	Particle-in-cell Simulations of Firehose Instability Driven by Bi-Kappa Electrons. *Astrophysical Journal Letters*, **2019**, 873, L20	7.9	24
160	The Interplay of the Solar Wind Core and Suprathermal Electrons: A Quasilinear Approach for Firehose Instability. *Astrophysical Journal*, **2019**, 871, 237	4.7	14

159	Whistler Instability Driven by Electron Thermal Ring Distribution With Magnetospheric Application. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5289-5301	2.6	3
158	Proton Perpendicular Heating by Kinetic Alfvn Waves. *Astrophysical Journal*, **2019**, 878, 141	4.7	2
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	Particle-in-cell Simulations of the Whistler Heat-flux Instability in Solar Wind Conditions. *Astrophysical Journal Letters*, **2019**, 882,	7.9	15
155	Classical Kinetic Theory of Weakly Turbulent Nonlinear Plasma Processes **2019**,		16
154	On the equilibrium between proton distribution and compressible kinetic Alfvnic fluctuations. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 4279-4289	4.3	5
153	Primordial Plasma Fuctuations. I. Magnetization of the Early Universe by Dark Aperiodic Fluctuations in the Past Myon and Prior Electron Positron Annihilation Epoch. *Astrophysical Journal* , **2018**, 857, 29	4.7	4
152	Electrostatic odd symmetric eigenmode in inhomogeneous Bernstein-Greene-Kruskal equilibrium. *Physics of Plasmas*, **2018**, 25, 042104	2.1	0
151	Weak turbulence theory for beam-plasma interaction. *Physics of Plasmas*, **2018**, 25, 011603	2.1	6
150	Nonlinear evolutions of large amplitude oblique whistler waves. *Physics of Plasmas*, **2018**, 25, 062904	2.1	2
149	Simulation and Quasi-Linear Theory of Whistler Anisotropy Instability. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3277-3290	2.6	6
148	Electromagnetic Thermal Noise in Upper-Hybrid Frequency Range. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5356-5363	2.6	3
147	Simulation and Quasi-linear Theory of Magnetospheric Bernstein Mode Instability. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 7320-7331	2.6	5
146	Beaming electromagnetic (or heat-flux) instabilities from the interplay with the electron temperature anisotropies. *Physics of Plasmas*, **2018**, 25, 082105	2.1	23
145	Spatial damping of parallel propagating electromagnetic waves in magnetized plasmas. *Physics of Plasmas*, **2018**, 25, 084501	2.1	4
144	Electromagnetic Electron Cyclotron Instability in the Solar Wind. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6-19	2.6	22
143	Suprathermal Spontaneous Emissions in distributed Plasmas. *Astrophysical Journal Letters*, **2018**, 868, L25	7.9	9
142	Modified distribution of Solar Wind Electrons and Steady-state Langmuir Turbulence. *Astrophysical Journal*, **2018**, 868, 131	4.7	15

141	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
140	High-Frequency Thermal Fluctuations and Instabilities in the Radiation Belt Environment. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9239-9251	2.6	2
139	Spatial propagation and damping of ordinary electromagnetic mode. *Physics of Plasmas*, **2018**, 25, 082114	2.1	5
138	Low frequency electromagnetic fluctuations in Kappa magnetized plasmas. *Plasma Physics and Controlled Fusion*, **2018**, 60, 075010	2	7
137	Interplay of Electron and Proton Instabilities in Expanding Solar Wind. *Astrophysical Journal*, **2017**, 835, 246	4.7	19
136	Characteristics of heat flux and electromagnetic electron-cyclotron instabilities driven by solar wind electrons. *Monthly Notices of the Royal Astronomical Society*, **2017**, stx049	4.3	8
135	Macroscopic quasilinear theory of parallel electron firehose instability associated with solar wind electrons. *Physics of Plasmas*, **2017**, 24, 012907	2.1	15
134	Spontaneous emission of electromagnetic fluctuations in magnetized plasmas. *Physics of Plasmas*, **2017**, 24, 022117	2.1	15
133	Electromagnetic cyclotron instabilities in bi-Kappa distributed plasmas: A quasilinear approach. *Physics of Plasmas*, **2017**, 24, 042110	2.1	13
132	Electron temperature anisotropy regulation by whistler instability. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4410-4419	2.6	17
131	Electron Bernstein-Greene-Kruskal hole for obliquely propagating solitary kinetic Alfvén waves. *Physics of Plasmas*, **2017**, 24, 042903	2.1	3
130	Upper hybrid waves and energetic electrons in the radiation belt. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5365-5376	2.6	14
129	Kinetic instabilities in the solar wind driven by temperature anisotropies. *Reviews of Modern Plasma Physics*, **2017**, 1, 1	5.6	48
128	Turbulent Equilibria for Charged Particles in Space. *Journal of Physics: Conference Series*, **2017**, 900, 012022	0.3	
127	Roles of hot electrons in generating upper-hybrid waves in the earth's radiation belt. *Physics of Plasmas*, **2017**, 24, 062904	2.1	9
126	Velocity Fluctuations Driven by the Damped, Aperiodic Mode in the Intergalactic Medium. *Astrophysical Journal*, **2017**, 844, 124	4.7	3
125	Kinetic Scale Structure of Low-frequency Waves and Fluctuations. *Astrophysical Journal*, **2017**, 845, 60	4.7	15
124	Velocity moment-based quasilinear theory and particle-in-cell simulation of parallel electron firehose instability. *Physics of Plasmas*, **2017**, 24, 112104	2.1	15

123	Cyclotron instabilities driven by temperature anisotropy in the solar wind. *Physics of Plasmas*, **2017**, 24, 102902	2.1	2
122	Generation of Suprathermal Electrons by Collective Processes in Collisional Plasma. *Astrophysical Journal Letters*, **2017**, 849, L30	7.9	2
121	Spontaneous emission of electromagnetic fluctuations in Kappa magnetized plasmas. *Plasma Physics and Controlled Fusion*, **2017**, 59, 125003	2	24
120	Spontaneous emission of Alfvẽic fluctuations. *Plasma Physics and Controlled Fusion*, **2017**, 59, 095002	2	3
119	Electron heat flux instability. *Monthly Notices of the Royal Astronomical Society*, **2017**, 465, 1672-1681	4.3	25
118	Weakly turbulent plasma processes in the presence of inverse power-law velocity tail population. *Physics of Plasmas*, **2017**, 24, 112902	2.1	2
117	Kinetic Features in the Ion Flux Spectrum. *Astrophysical Journal*, **2017**, 850, 78	4.7	1
116	Electron contribution in mirror instability in quasi-linear regime. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6978-6990	2.6	14
115	SUPRATHERMAL SOLAR WIND ELECTRONS AND LANGMUIR TURBULENCE. *Astrophysical Journal*, **2016**, 828, 60	4.7	15
114	Weak turbulence theory for collisional plasmas. *Physical Review E*, **2016**, 93, 033203	2.4	21
113	Electromagnetic fluctuation spectra of collective oscillations in magnetized Maxwellian plasmas for parallel wave vectors. *Physics of Plasmas*, **2016**, 23, 052106	2.1	6
112	Source region and growth analysis of narrowband Z-mode emission at Saturn. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,929	2.6	8
111	ON THE BEAM INDUCED QUASI-INSTABILITY TRANSFORMATION OF THE DAMPED APERIODIC MODE IN THE INTERGALACTIC MEDIUM. *Astrophysical Journal*, **2016**, 817, 159	4.7	3
110	PLASMA EMISSION BY COUNTER-STREAMING ELECTRON BEAMS. *Astrophysical Journal*, **2016**, 818, 61	4.7	9
109	Two dimensional kinetic analysis of electrostatic harmonic plasma waves. *Physics of Plasmas*, **2016**, 23, 062310	2.1	2
108	REVISED MODEL OF THE STEADY-STATE SOLAR WIND HALO ELECTRON VELOCITY DISTRIBUTION FUNCTION. *Astrophysical Journal*, **2016**, 826, 204	4.7	12
107	Linear and nonlinear coupling of electromagnetic and electrostatic fluctuations with one dimensional trapping of electrons using product bi (r,q) distribution. *Physics of Plasmas*, **2016**, 23, 062307	2.1	11
106	ON THE ISOTROPIZATION OF SOLAR WIND PROTONS. *Astrophysical Journal*, **2016**, 833, 106	4.7	8

105	Collisional damping rates for plasma waves. *Physics of Plasmas*, **2016**, 23, 064504	2.1	7
104	Collisional relaxation of bi-Maxwellian plasma temperatures in magnetized plasmas. *Physics of Plasmas*, **2016**, 23, 072114	2.1	13
103	Two-dimensional time evolution of beam-plasma instability in the presence of binary collisions. *Astronomy and Astrophysics*, **2016**, 586, A19	5.1	34
102	Spontaneous emission of electromagnetic and electrostatic fluctuations in magnetized plasmas: Quasi-parallel modes. *Physics of Plasmas*, **2016**, 23, 022111	2.1	9
101	Ion temperature anisotropy due to perpendicular heating by Alfvén wave propagating along magnetic field lines. *Physics of Plasmas*, **2016**, 23, 092903	2.1	2
100	On the interpretation and applicability of κ distributions. *Astronomy and Astrophysics*, **2016**, 589, A39	5.1	73
99	Right-hand polarized 4fce auroral roar emissions: 2. Nonlinear generation theory. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7981-7987	2.6	5
98	AMPLIFICATION OF COLLECTIVE MAGNETIC FLUCTUATIONS IN MAGNETIZED BI-MAXWELLIAN PLASMAS FOR PARALLEL WAVE VECTORS. I. ELECTRON–PROTON PLASMA. *Astrophysical Journal*, **2016**, 829, 41	4.7	2
97	Macroscopic quasi-linear theory of electromagnetic electron cyclotron instability associated with core and halo solar wind electrons. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9356-9368	2.6	20
96	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
95	On the dimensionally correct kinetic theory of turbulence for parallel propagation. *Physics of Plasmas*, **2015**, 22, 032310	2.1	16
94	PLASMA EMISSION BY NONLINEAR ELECTROMAGNETIC PROCESSES. *Astrophysical Journal*, **2015**, 806, 237	4.7	44
93	SPONTANEOUS ELECTROMAGNETIC FLUCTUATIONS IN A RELATIVISTIC MAGNETIZED ELECTRON–POSITRON PLASMA. *Astrophysical Journal*, **2015**, 810, 103	4.7	14
92	Simulation and quasilinear theory of aperiodic ordinary mode instability. *Physics of Plasmas*, **2015**, 22, 082122	2.1	14
91	STEADY-STATE MODEL OF SOLAR WIND ELECTRONS REVISITED. *Astrophysical Journal*, **2015**, 812, 169	4.7	7
90	STRAHL FORMATION IN THE SOLAR WIND ELECTRONS VIA WHISTLER INSTABILITY. *Astrophysical Journal Letters*, **2015**, 811, L7	7.9	19
89	Quasilinear saturation of the aperiodic ordinary mode streaming instability. *Physics of Plasmas*, **2015**, 22, 092301	2.1	9
88	Electromagnetic fluctuations in magnetized plasmas II: Extension of the theory for parallel wave vectors. *Physics of Plasmas*, **2015**, 22, 102111	2.1	7

87	Electromagnetic fluctuations in magnetized plasmas. I. The rigorous relativistic kinetic theory. *Physics of Plasmas*, **2015**, 22, 072108	2.1	18
86	Kinetic theory of turbulence for parallel propagation revisited: Low-to-intermediate frequency regime. *Physics of Plasmas*, **2015**, 22, 092307	2.1	6
85	Kinetic theory of weak turbulence in magnetized plasmas: Perpendicular propagation. *Physics of Plasmas*, **2015**, 22, 082310	2.1	29
84	Kinetic theory of turbulence for parallel propagation revisited: Formal results. *Physics of Plasmas*, **2015**, 22, 082309	2.1	9
83	Linear theory of low frequency magnetosonic instabilities in counterstreaming bi-Maxwellian plasmas. *Physics of Plasmas*, **2015**, 22, 092131	2.1	3
82	Solar Wind Electron Energization by Plasma Turbulence. *Journal of Physics: Conference Series*, **2015**, 642, 012030	0.3	3
81	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
80	ASYMPTOTIC THEORY OF SOLAR WIND ELECTRONS. *Astrophysical Journal*, **2015**, 806, 32	4.7	27
79	Nonlinear kinetic Alfvén waves with non-Maxwellian electron population in space plasmas. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 101-112	2.6	16
78	Kinetics of general electromagnetic fluctuations in unmagnetized plasmas: aperiodic thermal noise. *Plasma Physics and Controlled Fusion*, **2015**, 57, 014013	2	3
77	Simulation and quasilinear theory of proton firehose instability. *Physics of Plasmas*, **2015**, 22, 012303	2.1	37
76	Bernstein instability driven by thermal ring distribution. *Physics of Plasmas*, **2014**, 21, 074502	2.1	9
75	On the ordinary mode instability for low beta plasmas. *Physics of Plasmas*, **2014**, 21, 052111	2.1	16
74	Quasilinear theory of general electromagnetic fluctuations in unmagnetized plasmas. *Physics of Plasmas*, **2014**, 21, 092102	2.1	8
73	Electron kappa distribution and quasi-thermal noise. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 7074-7087	2.6	94
72	Relativistic Bernstein mode instability. *Plasma Physics and Controlled Fusion*, **2014**, 56, 055009	2	8
71	Proton-cyclotron and firehose instabilities in inhomogeneous plasmas. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 7108-7119	2.6	19
70	Oblique nonlinear whistler wave. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1851-1862	2.6	19

69	PLASMA EMISSION BY WEAK TURBULENCE PROCESSES. *Astrophysical Journal Letters*, **2014**, 795, L32	7.9	34
68	Spontaneous emission of electromagnetic radiation in turbulent plasmas. *Physics of Plasmas*, **2014**, 21, 010701	2.1	32
67	Thermal fluctuation levels of magnetic and electric fields in unmagnetized plasma: The rigorous relativistic kinetic theory. *Physics of Plasmas*, **2014**, 21, 032109	2.1	46
66	Transition from thermal to turbulent equilibrium with a resulting electromagnetic spectrum. *Physics of Plasmas*, **2014**, 21, 012306	2.1	12
65	Terrestrial lion roars and non-Maxwellian distribution. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 10,059	2.6	41
64	Electron distributions observed with Langmuir waves in the plasma sheet boundary layer. *Physics of Plasmas*, **2014**, 21, 092121	2.1	2
63	On the marginal instability threshold condition of the aperiodic ordinary mode. *Physics of Plasmas*, **2014**, 21, 072119	2.1	15
62	Quasilinear theory and particle-in-cell simulation of proton cyclotron instability. *Physics of Plasmas*, **2014**, 21, 062118	2.1	34
61	Solar-wind proton anisotropy versus beta relation. *Physical Review Letters*, **2013**, 110, 071103	7.4	42
60	Spontaneous electromagnetic fluctuations in unmagnetized plasmas. II. Relativistic form factors of aperiodic thermal modes. *Physics of Plasmas*, **2013**, 20, 052113	2.1	31
59	Solar Wind Electron Acceleration via Langmuir Turbulence. *Terrestrial, Atmospheric and Oceanic Sciences*, **2013**, 24, 175	1.8	5
58	ASYMMETRIC ELECTRON DISTRIBUTIONS IN THE SOLAR WIND. *Astrophysical Journal Letters*, **2013**, 775, L21	7.9	22
57	SOLAR WIND STRAHL BROADENING BY SELF-GENERATED PLASMA WAVES. *Astrophysical Journal Letters*, **2013**, 769, L30	7.9	24
56	ON QUIET-TIME SOLAR WIND ELECTRON DISTRIBUTIONS IN DYNAMICAL EQUILIBRIUM WITH LANGMUIR TURBULENCE. *Astrophysical Journal*, **2013**, 775, 108	4.7	16
55	QUIET-TIME INTERPLANETARY ~2-20 keV SUPERHALO ELECTRONS AT SOLAR MINIMUM. *Astrophysical Journal Letters*, **2012**, 753, L23	7.9	98
54	Langmuir Turbulence and Suprathermal Electrons. *Space Science Reviews*, **2012**, 173, 459-489	7.5	49
53	Langmuir condensation by spontaneous scattering off electrons in two dimensions. *Plasma Physics and Controlled Fusion*, **2012**, 54, 055012	2	13
52	Spontaneous electromagnetic fluctuations in unmagnetized plasmas I: General theory and nonrelativistic limit. *Physics of Plasmas*, **2012**, 19, 022105	2.1	59

51	Electron kappa distribution and steady-state Langmuir turbulence. *Physics of Plasmas*, **2012**, 19, 052301	2.1	31
50	Electromagnetic weak turbulence theory revisited. *Physics of Plasmas*, **2012**, 19, 102303	2.1	43
49	Empirical versus exact numerical quasilinear analysis of electromagnetic instabilities driven by temperature anisotropy. *Journal of Plasma Physics*, **2012**, 78, 47-54	2.7	15
48	Quasilinear theory of anisotropy-beta relation for combined mirror and proton cyclotron instabilities. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		38
47	ASYMMETRIC SOLAR WIND ELECTRON DISTRIBUTIONS. *Astrophysical Journal*, **2012**, 755, 112	4.7	30
46	Quasilinear theory of anisotropy-beta relations for proton cyclotron and parallel firehose instabilities. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		46
45	Stochastic heating and acceleration of minor ions by Alfvén waves. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	13
44	Large-amplitude whistler waves and electron acceleration. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	31
43	Two-dimensional quasilinear beam–plasma instability in inhomogeneous media. *Plasma Physics and Controlled Fusion*, **2011**, 53, 085004	2	11
42	NONLINEAR EVOLUTION OF BEAM-PLASMA INSTABILITY IN INHOMOGENEOUS MEDIUM. *Astrophysical Journal*, **2011**, 727, 16	4.7	24
41	Empirical model of whistler anisotropy instability. *Physics of Plasmas*, **2011**, 18, 102103	2.1	5
40	Simulation and theory for two-dimensional beam-plasma instability. *Physics of Plasmas*, **2010**, 17, 122318	2.1	7
39	On nonresonant proton heating via intrinsic Alfvénic turbulence. *Physics of Plasmas*, **2009**, 16, 054503	2.1	13
38	Pitch-angle diffusion of ions via nonresonant interaction with Alfvénic turbulence. *Physics of Plasmas*, **2009**, 16, 102102	2.1	23
37	Decay of beam-driven Langmuir wave into ion-acoustic turbulence in two dimensions. *Plasma Physics and Controlled Fusion*, **2009**, 51, 095011	2	10
36	MULTIPLE HARMONIC PLASMA EMISSION. *Astrophysical Journal*, **2009**, 694, 618-625	4.7	46
35	Analysis of narrowband emission observed in the Saturn magnetosphere. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		19
34	SUPERTHERMAL ELECTRON DISTRIBUTIONS IN THE SOLAR WIND ENVIRONMENT **2009**, 111-128		1

33	DYNAMICS OF BEAM–PLASMA INSTABILITY AND LANGMUIR WAVE DECAY IN TWO-DIMENSIONS **2009**, 95-109		
32	Kinetic theory for low-frequency turbulence in magnetized plasmas including discrete-particle effects. *Physics of Plasmas*, **2008**, 15, 122312	2.1	14
31	Two-dimensional nonlinear dynamics of beam–plasma instability. *Plasma Physics and Controlled Fusion*, **2008**, 50, 085011	2	54
30	Dynamics of Langmuir wave decay in two dimensions. *Physics of Plasmas*, **2008**, 15, 032303	2.1	28
29	Asymmetric Solar Wind Electron Superthermal Distributions. *Astrophysical Journal*, **2008**, 677, 676-682	4.7	36
28	Kinetic theory of hydromagnetic turbulence. I. Formal results for parallel propagation. *Physics of Plasmas*, **2007**, 14, 102302	2.1	24
27	Proton heating via nonresonant scattering off intrinsic Alfvénic turbulence. *Physical Review Letters*, **2007**, 99, 075001	7.4	65
26	Multiple harmonic plasma emission. *Physics of Plasmas*, **2007**, 14, 013301	2.1	9
25	Spontaneous thermal magnetic field fluctuation. *Physics of Plasmas*, **2007**, 14, 064504	2.1	33
24	Heating of ions by Alfvén waves via nonresonant interactions. *Physical Review Letters*, **2006**, 96, 125001	7.4	61
23	Statistical theory of electromagnetic weak turbulence. *Physics of Plasmas*, **2006**, 13, 022302	2.1	48
22	Plasma waves and fine structure emission bands within a plasmapause density cavity source region. *Geophysical Research Letters*, **2006**, 33,	4.9	9
21	Self-consistent generation of superthermal electrons by beam-plasma interaction. *Physical Review Letters*, **2005**, 95, 215003	7.4	102
20	Effects of spontaneous fluctuations on the generalized weak turbulence theory. *Physics of Plasmas*, **2005**, 12, 042306	2.1	37
19	Harmonics of electromagnetic and electrostatic plasma waves. *Physics of Plasmas*, **2005**, 12, 052305	2.1	12
18	Progress in the kinetic theory of electrostatic harmonics of plasma waves. *Physics of Plasmas*, **2005**, 12, 052313	2.1	5
17	Harmonic Langmuir waves. I. Nonlinear dispersion relation. *Physics of Plasmas*, **2003**, 10, 364-372	2.1	61
16	Harmonic Langmuir waves. II. Turbulence spectrum. *Physics of Plasmas*, **2003**, 10, 373-381	2.1	40

15	Harmonic Langmuir waves. III. Vlasov simulation. *Physics of Plasmas*, **2003**, 10, 382-391	2.1	50
14	Particle kinetic equation including weakly turbulent mode coupling. *Physics of Plasmas*, **2003**, 10, 3881-3886	2.1	24
13	Generation of harmonic Langmuir mode by beam-plasma instability. *Physics of Plasmas*, **2002**, 9, 96-110	2.1	16
12	Nonlinear development of weak beam-plasma instability. *Physics of Plasmas*, **2001**, 8, 3982-3995	2.1	66
11	Generalized weak turbulence theory. *Physics of Plasmas*, **2000**, 7, 4858-4871	2.1	59
10	Maser-beam instability of Bernstein waves. *Physics of Plasmas*, **2000**, 7, 4720-4728	2.1	7
9	A New Scenario for Type III Solar Radio Emission. *Astrophysical Journal*, **2000**, 540, 572-582	4.7	8
8	Excitation of extraordinary Bernstein waves by a beam of energetic electrons. *Journal of Geophysical Research*, **1999**, 104, 19801-19815		10
7	Propagation of medium frequency (1-4 MHz) auroral radio waves to the ground via the Z-mode radio window. *Journal of Geophysical Research*, **1998**, 103, 29267-29275		35
6	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
5	Lower ionospheric cyclotron maser theory: A possible source of 2-f_{ce} and 3-f_{ce} auroral radio emissions. *Journal of Geophysical Research*, **1996**, 101, 27015-27025		27
4	Quasilinear evolution of cyclotron maser instability. *Physical Review E*, **1995**, 51, 4908-4916	2.4	8
3	Effect of finite ion gyroradius on the fire-hose instability in a high beta plasma. *Physics of Fluids B*, **1993**, 5, 1971-1979		65
2	Quasilinear evolution of Alfvén-ion-cyclotron and mirror instabilities driven by ion temperature anisotropy. *Physics of Fluids B*, **1992**, 4, 3627-3637		41
1	Two-fluid approach to weak plasma turbulence. *Plasma Physics and Controlled Fusion*,	2	2