

# Peter H Yoon

## List of Publications by Citations

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193  
papers

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199  
ext. papers

3,516  
ext. citations

2.8  
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5.94  
L-index

#	Paper	IF	Citations
193	Exact analytical model of the classical Weibel instability in a relativistic anisotropic plasma. <i>Physical Review A</i> , <b>1987</b> , 35, 2718-2721	2.6	105
192	Self-consistent generation of superthermal electrons by beam-plasma interaction. <i>Physical Review Letters</i> , <b>2005</b> , 95, 215003	7.4	102
191	QUIET-TIME INTERPLANETARY ~2-20 keV SUPERHALO ELECTRONS AT SOLAR MINIMUM. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 753, L23	7.9	98
190	Electron kappa distribution and quasi-thermal noise. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7074-7087	2.6	94
189	Quasi-linear analysis of ion Weibel instability in the Earth's neutral sheet. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 153-163		82
188	Self-consistent formation of electron $\kappa$ distribution: 1. Theory. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		74
187	Nonlinear development of weak beam-plasma instability. <i>Physics of Plasmas</i> , <b>2001</b> , 8, 3982-3995	2.1	66
186	Generation of Type III Solar Radio Bursts in the Low Corona by Direct Amplification. <i>Astrophysical Journal</i> , <b>2002</b> , 575, 1094-1103	4.7	65
185	Effect of finite ion gyroradius on the fire-hose instability in a high beta plasma. <i>Physics of Fluids B</i> , <b>1993</b> , 5, 1971-1979		65
184	Generalized lower-hybrid drift instabilities in current-sheet equilibrium. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 1526-1538	6.3	63
183	Relativistic Weibel instability. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 024504	2.1	60
182	Generalized weak turbulence theory. <i>Physics of Plasmas</i> , <b>2000</b> , 7, 4858-4871	2.1	59
181	Electromagnetic Weibel instability in a fully relativistic bi-Maxwellian plasma. <i>Physics of Fluids B</i> , <b>1989</b> , 1, 1336-1338		56
180	Kinetic instabilities in the solar wind driven by temperature anisotropies. <i>Reviews of Modern Plasma Physics</i> , <b>2017</b> , 1, 1	5.6	48
179	Statistical theory of electromagnetic weak turbulence. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 022302	2.1	48
178	MULTIPLE HARMONIC PLASMA EMISSION. <i>Astrophysical Journal</i> , <b>2009</b> , 694, 618-625	4.7	46
177	Quasilinear theory of anisotropy-beta relations for proton cyclotron and parallel firehose instabilities. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		46

176	On the generation of auroral radio emissions at harmonics of the lower ionospheric electron cyclotron frequency: X, O and Z mode maser calculations. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 4071-4078		46
175	Nonlinear analysis of generalized cross-field current instability. <i>Physics of Fluids B</i> , <b>1993</b> , 5, 836-853		46
174	Model of ion- or electron-dominated current sheet. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		45
173	Solar-wind proton anisotropy versus beta relation. <i>Physical Review Letters</i> , <b>2013</b> , 110, 071103	7.4	42
172	Lower-hybrid-drift instability operative in the geomagnetic tail. <i>Physics of Plasmas</i> , <b>1994</b> , 1, 3033-3043	2.1	41
171	Quasilinear evolution of Alfvén-ion-cyclotron and mirror instabilities driven by ion temperature anisotropy. <i>Physics of Fluids B</i> , <b>1992</b> , 4, 3627-3637		41
170	Theory and simulation of Kelvin-Helmholtz instability in the geomagnetic tail. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 27327-27339		40
169	Quasilinear theory of anisotropy-beta relation for combined mirror and proton cyclotron instabilities. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		38
168	Simulation and quasilinear theory of proton firehose instability. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 012303	2.1	37
167	Effects of spontaneous fluctuations on the generalized weak turbulence theory. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 042306	2.1	37
166	A theory of electron cyclotron waves generated along auroral field lines observed by ground facilities. <i>Geophysical Research Letters</i> , <b>1989</b> , 16, 1461-1464	4.9	36
165	Quasilinear theory and particle-in-cell simulation of proton cyclotron instability. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 062118	2.1	34
164	Nonlocal ion-Weibel instability in the geomagnetic tail. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 4899-4906		34
163	Spontaneous thermal magnetic field fluctuation. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 064504	2.1	33
162	Motion of ions influenced by enhanced Alfvén waves. <i>Physics of Plasmas</i> , <b>1997</b> , 4, 856-862	2.1	32
161	Electron kappa distribution and steady-state Langmuir turbulence. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 052301	2.1	31
160	Large-amplitude whistler waves and electron acceleration. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	31
159	ASYMMETRIC SOLAR WIND ELECTRON DISTRIBUTIONS. <i>Astrophysical Journal</i> , <b>2012</b> , 755, 112	4.7	30

158	Kinetic theory of weak turbulence in magnetized plasmas: Perpendicular propagation. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 082310	2.1	29
157	Self-consistent formation of electron $\bar{f}$ distribution: 2. Further numerical investigation. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		29
156	Preliminary nonlocal analysis of cross-field current instability for substorm expansion onset. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 19147		29
155	Lower-hybrid-drift and modified-two-stream instabilities in current sheet equilibrium. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		28
154	ASYMPTOTIC THEORY OF SOLAR WIND ELECTRONS. <i>Astrophysical Journal</i> , <b>2015</b> , 806, 32	4.7	27
153	Lower ionospheric cyclotron maser theory: A possible source of 2 $\bar{f}$ and 3 $\bar{f}$ auroral radio emissions. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 27015-27025		27
152	Simulation of electromagnetic fluctuations in thermal magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , <b>2017</b> , 59, 115003	2	26
151	Closed-form analytical model of the electron whistler and cyclotron maser instabilities in relativistic plasma with arbitrary energy anisotropy. <i>Physical Review A</i> , <b>1987</b> , 35, 2619-2630	2.6	26
150	Theory of 2 $\bar{f}$ radiation induced by the bow shock. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 23481		25
149	Asymptotic equilibrium between Langmuir turbulence and suprathermal electrons. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 122303	2.1	24
148	Kinetic theory of hydromagnetic turbulence. I. Formal results for parallel propagation. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 102302	2.1	24
147	Particle kinetic equation including weakly turbulent mode coupling. <i>Physics of Plasmas</i> , <b>2003</b> , 10, 3881-3886		24
146	Two-fluid theory of drift-kink instability in a one-dimensional neutral sheet. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 11875-11886		24
145	Plasma emission by a nonlinear beam instability. <i>Physics of Plasmas</i> , <b>1995</b> , 2, 537-548	2.1	24
144	Ion pitch-angle scattering by Alfvén waves. <i>Physics of Plasmas</i> , <b>1997</b> , 4, 4103-4117	2.1	23
143	ASYMMETRIC ELECTRON DISTRIBUTIONS IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 775, L21	7.9	22
142	Asymptotic equilibrium between Langmuir turbulence and suprathermal electrons in three dimensions. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 012304	2.1	22
141	Parallel cascade of Alfvén waves. <i>Plasma Physics and Controlled Fusion</i> , <b>2008</b> , 50, 085007	2	22

140	A beam-maser instability: Direct amplification of radiation. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 2816-2821	2.1	22
139	Nonlinear bound on unstable field energy in relativistic electron beams and plasmas. <i>Physics of Fluids B</i> , <b>1989</b> , 1, 195-203		21
138	Interplay of Electron and Proton Instabilities in Expanding Solar Wind. <i>Astrophysical Journal</i> , <b>2017</b> , 835, 246	4.7	19
137	Proton-cyclotron and firehose instabilities in inhomogeneous plasmas. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7108-7119	2.6	19
136	Oblique nonlinear whistler wave. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 1851-1862	2.6	19
135	STRAHL FORMATION IN THE SOLAR WIND ELECTRONS VIA WHISTLER INSTABILITY. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 811, L7	7.9	19
134	Nonlinear saturation of relativistic Weibel instability driven by thermal anisotropy. <i>Physics of Plasmas</i> , <b>2009</b> , 16, 082103	2.1	19
133	Quasi-linear theory of anomalous resistivity. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		19
132	Garden-hose instability in high-beta plasmas. <i>Physica Scripta</i> , <b>1995</b> , T60, 127-135	2.6	19
131	Macroscopic quasi-linear theory and particle-in-cell simulation of helium ion anisotropy instabilities. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6071-6084	2.6	18
130	Generation of harmonic Langmuir mode by beam-plasma instability. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 96-110	2.1	16
129	Plasma emission via a beam instability with density modulation. <i>Physics of Plasmas</i> , <b>1994</b> , 1, 76-89	2.1	16
128	A purely growing electromagnetic mode operative in the geomagnetic tail. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 141		16
127	Classical Kinetic Theory of Weakly Turbulent Nonlinear Plasma Processes <b>2019</b> ,		16
126	Spontaneous emission of electromagnetic fluctuations in magnetized plasmas. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 022117	2.1	15
125	SUPRATHERMAL SOLAR WIND ELECTRONS AND LANGMUIR TURBULENCE. <i>Astrophysical Journal</i> , <b>2016</b> , 828, 60	4.7	15
124	Loss cone-driven cyclotron maser instability. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 7036-7044	2.6	15
123	Kinetic Scale Structure of Low-frequency Waves and Fluctuations. <i>Astrophysical Journal</i> , <b>2017</b> , 845, 60	4.7	15

122	Empirical versus exact numerical quasilinear analysis of electromagnetic instabilities driven by temperature anisotropy. <i>Journal of Plasma Physics</i> , <b>2012</b> , 78, 47-54	2.7	15
121	Kinetic theory of hydromagnetic turbulence. II. Susceptibilities. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 102303	2.1	15
120	Upper hybrid waves and energetic electrons in the radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5365-5376	2.6	14
119	Simulation and quasilinear theory of aperiodic ordinary mode instability. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 082122	2.1	14
118	Kinetic theory for low-frequency turbulence in magnetized plasmas including discrete-particle effects. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 122312	2.1	14
117	Ring-beam driven maser instability for quasiperpendicular shocks. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 022901	2.1	14
116	On the drift-sausage mode in one-dimensional current sheet. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 1939-1947		14
115	Collisional relaxation of bi-Maxwellian plasma temperatures in magnetized plasmas. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 072114	2.1	13
114	Relativistic electron acceleration by oblique whistler waves. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 112902	2.1	12
113	On the current sheet model with $\delta$ -distribution. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 102108	2.1	12
112	Harmonics of electromagnetic and electrostatic plasma waves. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 052305	2.1	12
111	A theory for AKR fine frequency structure. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 4461-4464	4.9	12
110	Amplification of a high-frequency electromagnetic wave by a relativistic plasma. <i>Physics of Fluids B</i> , <b>1990</b> , 2, 867-873		12
109	REVISED MODEL OF THE STEADY-STATE SOLAR WIND HALO ELECTRON VELOCITY DISTRIBUTION FUNCTION. <i>Astrophysical Journal</i> , <b>2016</b> , 826, 204	4.7	12
108	High-Frequency Wave Generation in Magnetotail Reconnection: Nonlinear Harmonics of Upper Hybrid Waves. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 7873-7882	4.9	11
107	Unified formulation for inhomogeneity-driven instabilities in the lower-hybrid range. <i>Physical Review E</i> , <b>2002</b> , 65, 036407	2.4	11
106	Proton temperature relaxation in the solar wind by combined collective and collisional processes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 10,665	2.6	11
105	Plasma emission by a nonlinear beam instability in a weakly magnetized plasma. <i>Physics of Plasmas</i> , <b>1997</b> , 4, 3863-3881	2.1	10

104	Excitation of extraordinary Bernstein waves by a beam of energetic electrons. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 19801-19815		10
103	Electromagnetic fire-hose instability in a fully relativistic bi-Maxwellian plasma. <i>Physics of Fluids B</i> , <b>1990</b> , 2, 842-844		10
102	Pitch angle diffusion of newborn ions due to intrinsic turbulence in the solar wind. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 17075		10
101	Kilometric radio waves generated along auroral field lines observed by ground facilities: A theoretical model. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 1495-1501		10
100	Collective plasma microinstability as a possible mechanism for the one-sided core jet emission of extragalactic radio sources. <i>Astrophysical Journal</i> , <b>1989</b> , 343, 31	4.7	10
99	Nonlinear Development of Electron Heat Flux Instability: Particle in Cell Simulation. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 117	4.7	9
98	Bernstein instability driven by thermal ring distribution. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 074502	2.1	9
97	Kinetic theory of turbulence for parallel propagation revisited: Formal results. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 082309	2.1	9
96	Multiple harmonic plasma emission. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 013301	2.1	9
95	Nonlinear electromagnetic susceptibilities of unmagnetized plasmas. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 112306	2.1	9
94	Nonlinear frequency shifts of plasma eigenmodes. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 4166-4173	2.1	9
93	Evolution of an unstable shell distribution of pickup cometary ions. <i>Geophysical Research Letters</i> , <b>1989</b> , 16, 1473-1476	4.9	9
92	Kinetic hydromagnetic instabilities due to a spherical shell distribution of pickup ions. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 10273		9
91	Pitch angle and velocity diffusions of newborn ions by turbulence in the solar wind. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 21203		9
90	Generation of radiation in solar corona and interplanetary space by energetic electrons. <i>Astrophysical Journal</i> , <b>1994</b> , 429, 406	4.7	9
89	A Source of Energetic Particles Associated with Solar Flares. <i>Astrophysical Journal</i> , <b>2001</b> , 547, 1159-1166	4.7	9
88	Spontaneous emission of electromagnetic and electrostatic fluctuations in magnetized plasmas: Quasi-parallel modes. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 022111	2.1	9
87	Non-equilibrium statistical mechanical approach to the formation of non-Maxwellian electron distribution in space. <i>European Physical Journal: Special Topics</i> , <b>2020</b> , 229, 819-840	2.3	8

86	Exact energy principle in magnetic reconnection for current-sheet models. <i>Physical Review Letters</i> , <b>2005</b> , 94, 175004	7.4	8
85	On the higher-order nonlinear corrections to the theory of plasma emission by a nonlinear beam instability. <i>Physics of Plasmas</i> , <b>1998</b> , 5, 2590-2595	2.1	8
84	Quasilinear evolution of cyclotron maser instability. <i>Physical Review E</i> , <b>1995</b> , 51, 4908-4916	2.4	8
83	Plasma heating by a purely growing mode driven by cross-field currents in quasiperpendicular collisionless shock. <i>Physics of Fluids B</i> , <b>1991</b> , 3, 3074-3081		8
82	Exact dielectric tensor for relativistic magnetized plasma with loss-cone and field-aligned drift. <i>Journal of Plasma Physics</i> , <b>1989</b> , 42, 193-204	2.7	8
81	A New Scenario for Type III Solar Radio Emission. <i>Astrophysical Journal</i> , <b>2000</b> , 540, 572-582	4.7	8
80	ON THE ISOTROPIZATION OF SOLAR WIND PROTONS. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 106	4.7	8
79	Thermodynamic, Non-Extensive, or Turbulent Quasi-Equilibrium for the Space Plasma Environment. <i>Entropy</i> , <b>2019</b> , 21, 820	2.8	7
78	STEADY-STATE MODEL OF SOLAR WIND ELECTRONS REVISITED. <i>Astrophysical Journal</i> , <b>2015</b> , 812, 169	4.7	7
77	Ion Pickup by the Solar Wind Via Wave-Particle Interactions. <i>Geophysical Monograph Series</i> , <b>2013</b> , 241-258.1		7
76	Simulation and theory for two-dimensional beam-plasma instability. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 122318.1		7
75	Anomalous resistivity by fluctuation in the lower-hybrid frequency range. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		7
74	Maser-beam instability of Bernstein waves. <i>Physics of Plasmas</i> , <b>2000</b> , 7, 4720-4728	2.1	7
73	Quasilinear analysis of loss-cone driven weakly relativistic electron cyclotron maser instability. <i>Physics of Plasmas</i> , <b>1995</b> , 2, 1285-1295	2.1	7
72	Gyroharmonic maser instability for weakly relativistic electrons with a loss-cone distribution. <i>Physics of Fluids B</i> , <b>1990</b> , 2, 1918-1927		7
71	Kinetic instability associated with spherical shell distribution of cometary pickup ions. <i>Geophysical Research Letters</i> , <b>1990</b> , 17, 1033-1036	4.9	7
70	Weak turbulence theory for beam-plasma interaction. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 011603	2.1	6
69	Simulation and Quasi-Linear Theory of Whistler Anisotropy Instability. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3277-3290	2.6	6



68	Kinetic theory of turbulence for parallel propagation revisited: Low-to-intermediate frequency regime. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 092307	2.1	6
67	Effects of spontaneous thermal fluctuations on nonlinear beam-plasma interaction. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 062310	2.1	6
66	Ion heating by kinetic cross-field streaming instability due to reflected ions at a quasiperpendicular shock. <i>Physics of Fluids B</i> , <b>1992</b> , 4, 719-729		6
65	Development of pitch angle anisotropy and velocity diffusion of pickup ion shell distribution by solar wind turbulence. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 17085		6
64	Simulation and Quasi-linear Theory of Magnetospheric Bernstein Mode Instability. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 7320-7331	2.6	5
63	Solar Wind Electron Acceleration via Langmuir Turbulence. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2013</b> , 24, 175	1.8	5
62	Empirical model of whistler anisotropy instability. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 102103	2.1	5
61	Progress in the kinetic theory of electrostatic harmonics of plasma waves. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 052313	2.1	5
60	Effects of magnetized ions on the lower-hybrid-drift instability. <i>Physics of Plasmas</i> , <b>2003</b> , 10, 4260-4264	2.1	5
59	Stabilization of lower-hybrid drift instability in the magnetotail by finite north-south magnetic field component and destabilization by sheared cross-field flow. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 13203-13213		5
58	Alternative representation of the dielectric tensor for a relativistic magnetized plasma in thermal equilibrium. <i>Journal of Plasma Physics</i> , <b>1990</b> , 43, 269-281	2.7	5
57	Theory of ion holes in space and astrophysical plasmas. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2020</b> , 497, L69-L75	4.3	4
56	High-Frequency Waves Driven by Agyrotropic Electrons Near the Electron Diffusion Region. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087111	4.9	4
55	Global two-fluid stability of bifurcated current sheets. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		4
54	Kinetic friction attributed to enhanced radiation by cyclotron maser instability. <i>Physical Review A</i> , <b>1991</b> , 44, 6819-6827	2.6	4
53	Stabilization of the cyclotron autoresonance maser instability by axial momentum spread. <i>Physical Review A</i> , <b>1989</b> , 39, 2534-2538	2.6	4
52	An Emission Mechanism for Extragalactic Radio Jets. <i>Astrophysical Journal</i> , <b>1996</b> , 459, 529	4.7	4
51	Effects of Thermal Fluctuations on Temperature Anisotropy Instabilities in the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 8924-8939	2.6	4

50	Quasi Thermal Noise Spectroscopy for Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2811-2818	2.6	3
49	Electromagnetic Thermal Noise in Upper-Hybrid Frequency Range. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5356-5363	2.6	3
48	Effects of nonlinear frequency shifts on certain induced scattering processes. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 4520-4524	2.1	3
47	Weak magnetohydrodynamic turbulence. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 082306	2.1	3
46	Nonlinear evolutions of large amplitude oblique whistler waves. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 062904	2.1	2
45	Electron distributions observed with Langmuir waves in the plasma sheet boundary layer. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 092121	2.1	2
44	Further investigation of energy principle for model current sheets. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 032301	2.1	2
43	Nonlinear energy principle for model current sheets. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 012301	2.1	2
42	Nonlinear frequency shift of a coherent dust-acoustic wave in the presence of dust-acoustic turbulence. <i>Physics of Plasmas</i> , <b>2003</b> , 10, 4278-4283	2.1	2
41	Quasilinear diffusion rates of cometary ions. <i>Physics of Fluids B</i> , <b>1991</b> , 3, 2124-2132		2
40	Further evolution of velocity shell distribution of cometary and interstellar pickup ions and excitation of oblique Alfvén waves. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 6467		2
39	Simulation of Plasma Emission in Magnetized Plasmas. <i>Astrophysical Journal</i> , <b>2022</b> , 924, 36	4.7	2
38	On the Generation of Compressible Mirror-mode Fluctuations in the Inner Heliosheath. <i>Astrophysical Journal</i> , <b>2020</b> , 901, 76	4.7	2
37	Two-fluid approach to weak plasma turbulence. <i>Plasma Physics and Controlled Fusion</i> ,	2	2
36	Ion temperature anisotropy due to perpendicular heating by Alfvén wave propagating along magnetic field lines. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 092903	2.1	2
35	High-Frequency Thermal Fluctuations and Instabilities in the Radiation Belt Environment. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9239-9251	2.6	2
34	The Effects of Upper-Hybrid Waves on Energy Dissipation in the Electron Diffusion Region. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089778	4.9	1
33	Nonlinear frequency shift of the dust ion-acoustic wave. <i>Physics of Plasmas</i> , <b>2004</b> , 11, 3191-3195	2.1	1

32	On the harmonic component of type III solar radio bursts. <i>Geophysical Monograph Series</i> , <b>2000</b> , 47-56	1.1	1
31	Transition from reactive to kinetic electromagnetic instabilities generated by ring-beam ions. <i>Physics of Fluids B</i> , <b>1991</b> , 3, 2455-2462		1
30	Polarization vector formalism of plasma weak turbulence. <i>AIP Advances</i> , <b>2021</b> , 11, 125103	1.5	1
29	Turbulent Equilibrium and Nonextensive Entropy. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , <b>2012</b> , 91-96	0.3	1
28	Structural Characteristics of Ion Holes in Plasma. <i>Plasma</i> , <b>2021</b> , 4, 435-449	1.7	1
27	Nonlinear Electrostatic Equations for Collisionless Plasmas <b>2019</b> , 3-45		
26	Electrostatic Vlasov Weak Turbulence Theory: Wave Kinetic Equation <b>2019</b> , 46-59		
25	Electrostatic Vlasov Weak Turbulence Theory: Particle Kinetic Equation <b>2019</b> , 60-72		
24	Electrostatic Klimontovich Weak Turbulence Theory <b>2019</b> , 75-104		
23	Spontaneous Emission and Collisional Kinetic Equation <b>2019</b> , 105-121		
22	Langmuir Turbulence and Electron Kappa Distribution <b>2019</b> , 122-152		
21	Nonlinear Electromagnetic Equations in Vlasov Plasmas <b>2019</b> , 155-197		
20	Electromagnetic Vlasov Weak Turbulence Theory <b>2019</b> , 198-222		
19	Electromagnetic Klimontovich Weak Turbulence Theory <b>2019</b> , 225-267		
18	Applications of Electromagnetic Klimontovich Weak Turbulence Theory <b>2019</b> , 268-288		
17	Time Irreversible Small Amplitude Perturbations <b>2019</b> , 291-295		
16	Resonant Velocity Integral <b>2019</b> , 296-298		
15	Nonlinear Dispersion Relations <b>2019</b> , 299-308		

- 14 Plasma Dispersion Function **2019**, 309-312
- 13 Weak Turbulence Theory for Reactive Instabilities **2019**, 313-317
- 12 On Higher-Order Perturbative Expansion **2019**, 318-324
- 11 On Renormalized Kinetic Turbulence Theory **2019**, 325-334
- 10 One-Dimensional Normalized Equations **2019**, 335-339
- 9 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
- 8 Turbulent Equilibria for Charged Particles in Space. *Journal of Physics: Conference Series*, **2017**, 900, 012023
- 7 Weak Langmuir Turbulence. *COSPAR Colloquia Series*, **2005**, 16, 251-260
- 6 The effect of background temperature on the synchrotron maser process. *Physics of Fluids B*, **1990**, 2, 1662-1665
- 5 Proton-Alpha Drift Instability of Electromagnetic Ion-Cyclotron Modes: Quasilinear Development **2021**, 3, 1175-1189 2.1
- 4 Advanced Numerical Tools for Studying Waves and Instabilities in Kappa Distributed Plasmas. *Astrophysics and Space Science Library*, **2021**, 163-184 0.3
- 3 Non-equilibrium Statistical Mechanics of Electron Kappa Distribution. *Astrophysics and Space Science Library*, **2021**, 235-277 0.3
- 2 Electron Acceleration by Quasilinear Processes in the Presence of a Ring-beam Electron Population. *Brazilian Journal of Physics*, **2022**, 52, 1 1.2
- 1 Electrostatic weak turbulence theory for warm magnetized plasmas. *Physics of Plasmas*, **2021**, 28, 122302.1