

# Peter Yoon

## List of Publications by Year in descending order

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196  
papers

4,102  
citations

101496

36  
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203  
docs citations

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times ranked

1198  
citing authors

#	ARTICLE	IF	CITATIONS
1	QUIET-TIME INTERPLANETARY $\sim 1/2$ -20 keV SUPERHALO ELECTRONS AT SOLAR MINIMUM. <i>Astrophysical Journal Letters</i> , 2012, 753, L23.	3.0	114
2	Self-Consistent Generation of Superthermal Electrons by Beam-Plasma Interaction. <i>Physical Review Letters</i> , 2005, 95, 215003.	2.9	113
3	Electron kappa distribution and quasi-thermal noise. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7074-7087.	0.8	110
4	On the interpretation and applicability of $\langle i \rangle^{\hat{p}}$ -distributions. <i>Astronomy and Astrophysics</i> , 2016, 589, A39.	2.1	92
5	Nonlinear development of weak beam-plasma instability. <i>Physics of Plasmas</i> , 2001, 8, 3982-3995.	0.7	72
6	Kinetic instabilities in the solar wind driven by temperature anisotropies. <i>Reviews of Modern Plasma Physics</i> , 2017, 1, 1.	2.2	72
7	Effect of finite ion gyroradius on the firehose instability in a high beta plasma. <i>Physics of Fluids B</i> , 1993, 5, 1971-1979.	1.7	70
8	Proton Heating via Nonresonant Scattering Off Intrinsic Alfvénic Turbulence. <i>Physical Review Letters</i> , 2007, 99, 075001.	2.9	69
9	Harmonic Langmuir waves. I. Nonlinear dispersion relation. <i>Physics of Plasmas</i> , 2003, 10, 364-372.	0.7	67
10	Generalized weak turbulence theory. <i>Physics of Plasmas</i> , 2000, 7, 4858-4871.	0.7	66
11	Heating of Ions by Alfvén Waves via Nonresonant Interactions. <i>Physical Review Letters</i> , 2006, 96, 125001.	2.9	66
12	Spontaneous electromagnetic fluctuations in unmagnetized plasmas I: General theory and nonrelativistic limit. <i>Physics of Plasmas</i> , 2012, 19, 022105.	0.7	62
13	Two-dimensional nonlinear dynamics of beam-plasma instability. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 085011.	0.9	59
14	Terrestrial ion roars and non-Maxwellian distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,059.	0.8	59
15	MULTIPLE HARMONIC PLASMA EMISSION. <i>Astrophysical Journal</i> , 2009, 694, 618-625.	1.6	58
16	PLASMA EMISSION BY NONLINEAR ELECTROMAGNETIC PROCESSES. <i>Astrophysical Journal</i> , 2015, 806, 237.	1.6	58
17	Harmonic Langmuir waves. III. Vlasov simulation. <i>Physics of Plasmas</i> , 2003, 10, 382-391.	0.7	57
18	Statistical theory of electromagnetic weak turbulence. <i>Physics of Plasmas</i> , 2006, 13, 022302.	0.7	55

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19	Langmuir Turbulence and Suprathermal Electrons. Space Science Reviews, 2012, 173, 459-489.	3.7	55
20	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.	3.3	52
21	Quasilinear theory of anisotropy- $\beta$ relations for proton cyclotron and parallel firehose instabilities. Journal of Geophysical Research, 2012, 117, .	3.3	51
22	Solar-Wind Proton Anisotropy Versus Beta Relation. Physical Review Letters, 2013, 110, 071103.	2.9	51
23	Electromagnetic weak turbulence theory revisited. Physics of Plasmas, 2012, 19, .	0.7	50
24	Thermal fluctuation levels of magnetic and electric fields in unmagnetized plasma: The rigorous relativistic kinetic theory. Physics of Plasmas, 2014, 21, .	0.7	49
25	Harmonic Langmuir waves. II. Turbulence spectrum. Physics of Plasmas, 2003, 10, 373-381.	0.7	47
26	Quasilinear evolution of Alfvén-cyclotron and mirror instabilities driven by ion temperature anisotropy. Physics of Fluids B, 1992, 4, 3627-3637.	1.7	46
27	Quasilinear theory of anisotropy- $\beta$ relation for combined mirror and proton cyclotron instabilities. Journal of Geophysical Research, 2012, 117, .	3.3	45
28	Simulation and quasilinear theory of proton firehose instability. Physics of Plasmas, 2015, 22, .	0.7	41
29	Effects of spontaneous fluctuations on the generalized weak turbulence theory. Physics of Plasmas, 2005, 12, 042306.	0.7	39
30	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.	3.3	38
31	PLASMA EMISSION BY WEAK TURBULENCE PROCESSES. Astrophysical Journal Letters, 2014, 795, L32.	3.0	38
32	Two-dimensional time evolution of beam-plasma instability in the presence of binary collisions. Astronomy and Astrophysics, 2016, 586, A19.	2.1	38
33	Spontaneous thermal magnetic field fluctuation. Physics of Plasmas, 2007, 14, 064504.	0.7	37
34	Asymmetric Solar Wind Electron Suprathermal Distributions. Astrophysical Journal, 2008, 677, 676-682.	1.6	37
35	Electron kappa distribution and steady-state Langmuir turbulence. Physics of Plasmas, 2012, 19, .	0.7	37
36	Quasilinear theory and particle-in-cell simulation of proton cyclotron instability. Physics of Plasmas, 2014, 21, .	0.7	37

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37	Spontaneous emission of electromagnetic radiation in turbulent plasmas. <i>Physics of Plasmas</i> , 2014, 21, 010701.	0.7	35
38	Large-amplitude whistler waves and electron acceleration. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	34
39	ASYMMETRIC SOLAR WIND ELECTRON DISTRIBUTIONS. <i>Astrophysical Journal</i> , 2012, 755, 112.	1.6	34
40	Kinetic theory of weak turbulence in magnetized plasmas: Perpendicular propagation. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	33
41	Spontaneous emission of electromagnetic fluctuations in Kappa magnetized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 125003.	0.9	33
42	Lower ionospheric cyclotron maser theory: A possible source of 2 $\Delta$ 'ceand 3 $\Delta$ 'ceauroral radio emissions. <i>Journal of Geophysical Research</i> , 1996, 101, 27015-27025.	3.3	32
43	Electron heat flux instability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 1672-1681.	1.6	32
44	Spontaneous electromagnetic fluctuations in unmagnetized plasmas. II. Relativistic form factors of aperiodic thermal modes. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	31
45	Beaming electromagnetic (or heat-flux) instabilities from the interplay with the electron temperature anisotropies. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	31
46	Particle-in-cell Simulations of Firehose Instability Driven by Bi-Kappa Electrons. <i>Astrophysical Journal Letters</i> , 2019, 873, L20.	3.0	30
47	Dynamics of Langmuir wave decay in two dimensions. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	29
48	Particle kinetic equation including weakly turbulent mode coupling. <i>Physics of Plasmas</i> , 2003, 10, 3881-3886.	0.7	28
49	ASYMPTOTIC THEORY OF SOLAR WIND ELECTRONS. <i>Astrophysical Journal</i> , 2015, 806, 32.	1.6	28
50	Electromagnetic Electron Cyclotron Instability in the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6-19.	0.8	28
51	NONLINEAR EVOLUTION OF BEAM-PLASMA INSTABILITY IN INHOMOGENEOUS MEDIUM. <i>Astrophysical Journal</i> , 2011, 727, 16.	1.6	27
52	Quasi-linear approach of the whistler heat-flux instability in the solar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4498-4507.	1.6	27
53	Pitch-angle diffusion of ions via nonresonant interaction with Alfvénic turbulence. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	26
54	SOLAR WIND STRAHL BROADENING BY SELF-GENERATED PLASMA WAVES. <i>Astrophysical Journal Letters</i> , 2013, 769, L30.	3.0	26

#	ARTICLE	IF	CITATIONS
55	Kinetic theory of hydromagnetic turbulence. I. Formal results for parallel propagation. Physics of Plasmas, 2007, 14, .	0.7	25
56	ASYMMETRIC ELECTRON DISTRIBUTIONS IN THE SOLAR WIND. Astrophysical Journal Letters, 2013, 775, L21.	3.0	25
57	Particle-in-cell and Weak Turbulence Simulations of Plasma Emission. Astrophysical Journal, 2019, 871, 74.	1.6	25
58	Analysis of narrowband emission observed in the Saturn magnetosphere. Journal of Geophysical Research, 2009, 114, .	3.3	24
59	Nonlinear kinetic Alfvén waves with non-Maxwellian electron population in space plasmas. Journal of Geophysical Research: Space Physics, 2015, 120, 101-112.	0.8	24
60	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.	0.8	24
61	Weak turbulence theory for collisional plasmas. Physical Review E, 2016, 93, 033203.	0.8	24
62	Proton-cyclotron and firehose instabilities in inhomogeneous plasmas. Journal of Geophysical Research: Space Physics, 2014, 119, 7108-7119.	0.8	23
63	Solar Wind Temperature Isotropy. Physical Review Letters, 2019, 123, 145101.	2.9	23
64	Oblique nonlinear whistler wave. Journal of Geophysical Research: Space Physics, 2014, 119, 1851-1862.	0.8	22
65	Interplay of Electron and Proton Instabilities in Expanding Solar Wind. Astrophysical Journal, 2017, 835, 246.	1.6	22
66	STRAHL FORMATION IN THE SOLAR WIND ELECTRONS VIA WHISTLER INSTABILITY. Astrophysical Journal Letters, 2015, 811, L7.	3.0	21
67	Macroscopic quasi-linear theory and particle-in-cell simulation of helium ion anisotropy instabilities. Journal of Geophysical Research: Space Physics, 2015, 120, 6071-6084.	0.8	21
68	Electron temperature anisotropy regulation by whistler instability. Journal of Geophysical Research: Space Physics, 2017, 122, 4410-4419.	0.8	21
69	Particle-in-cell Simulations of the Whistler Heat-flux Instability in Solar Wind Conditions. Astrophysical Journal Letters, 2019, 882, L8.	3.0	21
70	Electromagnetic fluctuations in magnetized plasmas. I. The rigorous relativistic kinetic theory. Physics of Plasmas, 2015, 22, .	0.7	19
71	Macroscopic quasilinear theory of parallel electron firehose instability associated with solar wind electrons. Physics of Plasmas, 2017, 24, .	0.7	19
72	Spontaneous emission of electromagnetic fluctuations in magnetized plasmas. Physics of Plasmas, 2017, 24, 022117.	0.7	19

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73	Electromagnetic cyclotron instabilities in bi-Kappa distributed plasmas: A quasilinear approach. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	19
74	Velocity moment-based quasilinear theory and particle-in-cell simulation of parallel electron firehose instability. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	19
75	Modified $\hat{f}_e$ -distribution of Solar Wind Electrons and Steady-state Langmuir Turbulence. <i>Astrophysical Journal</i> , 2018, 868, 131.	1.6	19
76	Empirical versus exact numerical quasilinear analysis of electromagnetic instabilities driven by temperature anisotropy. <i>Journal of Plasma Physics</i> , 2012, 78, 47-54.	0.7	18
77	On the ordinary mode instability for low beta plasmas. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	18
78	High-frequency Wave Generation in Magnetotail Reconnection: Nonlinear Harmonics of Upper Hybrid Waves. <i>Geophysical Research Letters</i> , 2019, 46, 7873-7882.	1.5	18
79	The Interplay of the Solar Wind Core and Suprathermal Electrons: A Quasilinear Approach for Firehose Instability. <i>Astrophysical Journal</i> , 2019, 871, 237.	1.6	18
80	Generation of harmonic Langmuir mode by beam-plasma instability. <i>Physics of Plasmas</i> , 2002, 9, 96-110.	0.7	17
81	ON QUIET-TIME SOLAR WIND ELECTRON DISTRIBUTIONS IN DYNAMICAL EQUILIBRIUM WITH LANGMUIR TURBULENCE. <i>Astrophysical Journal</i> , 2013, 775, 108.	1.6	17
82	SUPRATHERMAL SOLAR WIND ELECTRONS AND LANGMUIR TURBULENCE. <i>Astrophysical Journal</i> , 2016, 828, 60.	1.6	17
83	Kinetic Scale Structure of Low-frequency Waves and Fluctuations. <i>Astrophysical Journal</i> , 2017, 845, 60.	1.6	17
84	Stochastic heating and acceleration of minor ions by Alfvén waves. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	16
85	On the marginal instability threshold condition of the aperiodic ordinary mode. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	16
86	On the dimensionally correct kinetic theory of turbulence for parallel propagation. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	16
87	Upper hybrid waves and energetic electrons in the radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5365-5376.	0.8	16
88	Electron contribution in mirror instability in quasilinear regime. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6978-6990.	0.8	16
89	Quasilinear approach of the cumulative whistler instability in fast solar wind: Constraints of electron temperature anisotropy. <i>Astronomy and Astrophysics</i> , 2019, 627, A76.	2.1	16
90	Non-equilibrium statistical mechanical approach to the formation of non-Maxwellian electron distribution in space. <i>European Physical Journal: Special Topics</i> , 2020, 229, 819-840.	1.2	16

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91	SPONTANEOUS ELECTROMAGNETIC FLUCTUATIONS IN A RELATIVISTIC MAGNETIZED ELECTRON-POSITRON PLASMA. <i>Astrophysical Journal</i> , 2015, 810, 103.	1.6	15
92	Simulation and quasilinear theory of aperiodic ordinary mode instability. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	15
93	Collisional relaxation of bi-Maxwellian plasma temperatures in magnetized plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	15
94	Thermodynamic, Non-Extensive, or Turbulent Quasi-Equilibrium for the Space Plasma Environment. <i>Entropy</i> , 2019, 21, 820.	1.1	15
95	Kinetic theory for low-frequency turbulence in magnetized plasmas including discrete-particle effects. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	14
96	Langmuir condensation by spontaneous scattering off electrons in two dimensions. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 055012.	0.9	14
97	Source region and growth analysis of narrowband $Z$ -mode emission at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,929.	0.8	14
98	Harmonics of electromagnetic and electrostatic plasma waves. <i>Physics of Plasmas</i> , 2005, 12, 052305.	0.7	13
99	Multiple harmonic plasma emission. <i>Physics of Plasmas</i> , 2007, 14, 013301.	0.7	13
100	On nonresonant proton heating via intrinsic Alfvénic turbulence. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	13
101	Linear and nonlinear coupling of electromagnetic and electrostatic fluctuations with one dimensional trapping of electrons using product bi (r,q) distribution. <i>Physics of Plasmas</i> , 2016, 23, 062307.	0.7	13
102	Electron mirror and cyclotron instabilities for solar wind plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3764-3771.	1.6	13
103	Two-dimensional quasilinear beam-plasma instability in inhomogeneous media. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 085004.	0.9	12
104	Transition from thermal to turbulent equilibrium with a resulting electromagnetic spectrum. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	12
105	Quasilinear saturation of the aperiodic ordinary mode streaming instability. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	12
106	PLASMA EMISSION BY COUNTER-STREAMING ELECTRON BEAMS. <i>Astrophysical Journal</i> , 2016, 818, 61.	1.6	12
107	REVISED MODEL OF THE STEADY-STATE SOLAR WIND HALO ELECTRON VELOCITY DISTRIBUTION FUNCTION. <i>Astrophysical Journal</i> , 2016, 826, 204.	1.6	12
108	ON THE ISOTROPIZATION OF SOLAR WIND PROTONS. <i>Astrophysical Journal</i> , 2016, 833, 106.	1.6	12

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109	Collisional damping rates for plasma waves. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	12
110	Proton temperature relaxation in the solar wind by combined collective and collisional processes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,665.	0.8	12
111	Characteristics of heat flux and electromagnetic electron-cyclotron instabilities driven by solar wind electrons. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx049.	1.6	12
112	Nonlinear Development of Electron Heat Flux Instability: Particle in Cell Simulation. <i>Astrophysical Journal</i> , 2019, 876, 117.	1.6	12
113	Excitation of extraordinary Bernstein waves by a beam of energetic electrons. <i>Journal of Geophysical Research</i> , 1999, 104, 19801-19815.	3.3	11
114	Decay of beam-driven Langmuir wave into ion-acoustic turbulence in two dimensions. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 095011.	0.9	11
115	Simulation and theory for two-dimensional beam-plasma instability. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	11
116	Bernstein instability driven by thermal ring distribution. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	11
117	Roles of hot electrons in generating upper-hybrid waves in the earth's radiation belt. <i>Physics of Plasmas</i> , 2017, 24, 062904.	0.7	11
118	Suprathermal Spontaneous Emissions in $\hat{r}^{\circ}$ -distributed Plasmas. <i>Astrophysical Journal Letters</i> , 2018, 868, L25.	3.0	11
119	The Generation of Upwardâ€Propagating Whistler Mode Waves by Electron Beams in the Jovian Polar Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027868.	0.8	11
120	Quasilinear evolution of cyclotron maser instability. <i>Physical Review E</i> , 1995, 51, 4908-4916.	0.8	10
121	Kinetic theory of turbulence for parallel propagation revisited: Formal results. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	10
122	Low frequency electromagnetic fluctuations in Kappa magnetized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 075010.	0.9	10
123	Simulation and Quasiâ€Linear Theory of Whistler Anisotropy Instability. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3277-3290.	0.8	10
124	On the Generation of Compressible Mirror-mode Fluctuations in the Inner Heliosheath. <i>Astrophysical Journal</i> , 2020, 901, 76.	1.6	10
125	Plasma waves and fine structure emission bands within a plasmopause density cavity source region. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	9
126	Quasilinear theory of general electromagnetic fluctuations in unmagnetized plasmas. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	9



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127	Relativistic Bernstein mode instability. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 055009.	0.9	9
128	Spontaneous emission of electromagnetic and electrostatic fluctuations in magnetized plasmas: Quasi-parallel modes. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	9
129	Weak turbulence theory for beam-plasma interaction. <i>Physics of Plasmas</i> , 2018, 25, 011603.	0.7	9
130	STEADY-STATE MODEL OF SOLAR WIND ELECTRONS REVISITED. <i>Astrophysical Journal</i> , 2015, 812, 169.	1.6	8
131	Electromagnetic fluctuations in magnetized plasmas II: Extension of the theory for parallel wave vectors. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	8
132	Theory of ion holes in space and astrophysical plasmas. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 497, L69-L75.	1.2	8
133	A New Scenario for Type III Solar Radio Emission. <i>Astrophysical Journal</i> , 2000, 540, 572-582.	1.6	8
134	Proton cyclotron and mirror instabilities in marginally stable solar wind plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4736-4744.	1.6	8
135	Maser-beam instability of Bernstein waves. <i>Physics of Plasmas</i> , 2000, 7, 4720-4728.	0.7	7
136	Kinetic theory of turbulence for parallel propagation revisited: Low-to-intermediate frequency regime. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	7
137	Right-hand polarized 4 f ce auroral roar emissions: 2. Nonlinear generation theory. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7981-7987.	0.8	7
138	Electromagnetic fluctuation spectra of collective oscillations in magnetized Maxwellian plasmas for parallel wave vectors. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	7
139	The Role of Intense Upper Hybrid Resonance Emissions in the Generation of Saturn Narrowband Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5709-5718.	0.8	7
140	Contributions of protons in electron firehose instability driven by solar wind core halo electrons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3550-3559.	1.6	7
141	Combined Whistler Heat Flux and Anisotropy Instabilities in Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027380.	0.8	7
142	Combined electron firehose and electromagnetic ion cyclotron instabilities: quasilinear approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 659-667.	1.6	7
143	Solar Wind Electron Acceleration via Langmuir Turbulence. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 175.	0.3	6
144	Cyclotron instabilities driven by temperature anisotropy in the solar wind. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	6

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145	Simulation and Quasi-linear Theory of Magnetospheric Bernstein Mode Instability. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7320-7331.	0.8	6
146	High-Frequency Waves Driven by Anisotropic Electrons Near the Electron Diffusion Region. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087111.	1.5	6
147	Simulation of Plasma Emission in Magnetized Plasmas. <i>Astrophysical Journal</i> , 2022, 924, 36.	1.6	6
148	Progress in the kinetic theory of electrostatic harmonics of plasma waves. <i>Physics of Plasmas</i> , 2005, 12, 052313.	0.7	5
149	Empirical model of whistler anisotropy instability. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	5
150	Linear theory of low frequency magnetosonic instabilities in counterstreaming bi-Maxwellian plasmas. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	5
151	Spontaneous emission of Alfvénic fluctuations. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 095002.	0.9	5
152	Primordial Plasma Fluctuations. I. Magnetization of the Early Universe by Dark Aperiodic Fluctuations in the Past Myon and Prior Electron-Positron Annihilation Epoch. <i>Astrophysical Journal</i> , 2018, 857, 29.	1.6	5
153	Effects of Thermal Fluctuations on Temperature Anisotropy Instabilities in the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8924-8939.	0.8	5
154	Spatial propagation and damping of ordinary electromagnetic mode. <i>Physics of Plasmas</i> , 2018, 25, 082114.	0.7	5
155	Spatial damping of parallel propagating electromagnetic waves in magnetized plasmas. <i>Physics of Plasmas</i> , 2018, 25, 084501.	0.7	5
156	Quasi Thermal Noise Spectroscopy for Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2811-2818.	0.8	5
157	On the equilibrium between proton distribution and compressible kinetic Alfvénic fluctuations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 4279-4289.	1.6	5
158	ON THE BEAM INDUCED QUASI-INSTABILITY TRANSFORMATION OF THE DAMPED APERIODIC MODE IN THE INTERGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2016, 817, 159.	1.6	4
159	Electromagnetic Thermal Noise in Upper-Hybrid Frequency Range. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5356-5363.	0.8	4
160	Proton Perpendicular Heating by Kinetic Alfvén Waves. <i>Astrophysical Journal</i> , 2019, 878, 141.	1.6	4
161	Structural Characteristics of Ion Holes in Plasma. <i>Plasma</i> , 2021, 4, 435-449.	0.7	4
162	Solar Wind Electron Energization by Plasma Turbulence. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012030.	0.3	3

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163	Kinetics of general electromagnetic fluctuations in unmagnetized plasmas: aperiodic thermal noise. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 014013.	0.9	3
164	Electron Bernstein-Greene-Kruskal hole for obliquely propagating solitary kinetic Alfvén waves. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	3
165	Velocity Fluctuations Driven by the Damped, Aperiodic Mode in the Intergalactic Medium. <i>Astrophysical Journal</i> , 2017, 844, 124.	1.6	3
166	Generation of Suprathermal Electrons by Collective Processes in Collisional Plasma. <i>Astrophysical Journal Letters</i> , 2017, 849, L30.	3.0	3
167	High-Frequency Thermal Fluctuations and Instabilities in the Radiation Belt Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9239-9251.	0.8	3
168	Nonlinear evolutions of large amplitude oblique whistler waves. <i>Physics of Plasmas</i> , 2018, 25, 062904.	0.7	3
169	Whistler Instability Driven by Electron Thermal Ring Distribution With Magnetospheric Application. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5289-5301.	0.8	3
170	The Effects of Upper-Hybrid Waves on Energy Dissipation in the Electron Diffusion Region. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089778.	1.5	3
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