

Peter Yoon

List of Publications by Citations

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

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	Self-consistent generation of superthermal electrons by beam-plasma interaction. <i>Physical Review Letters</i> , 2005 , 95, 215003	7.4	102
193	QUIET-TIME INTERPLANETARY ~2-20 keV SUPERHALO ELECTRONS AT SOLAR MINIMUM. <i>Astrophysical Journal Letters</i> , 2012 , 753, L23	7.9	98
192	Electron kappa distribution and quasi-thermal noise. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7074-7087	2.6	94
191	On the interpretation and applicability of κ -distributions. <i>Astronomy and Astrophysics</i> , 2016 , 589, A39	5.1	73
190	Nonlinear development of weak beam-plasma instability. <i>Physics of Plasmas</i> , 2001 , 8, 3982-3995	2.1	66
189	Proton heating via nonresonant scattering off intrinsic Alfvénic turbulence. <i>Physical Review Letters</i> , 2007 , 99, 075001	7.4	65
188	Effect of finite ion gyroradius on the fire-hose instability in a high beta plasma. <i>Physics of Fluids B</i> , 1993 , 5, 1971-1979		65
187	Heating of ions by Alfvén waves via nonresonant interactions. <i>Physical Review Letters</i> , 2006 , 96, 125001	7.4	61
186	Harmonic Langmuir waves. I. Nonlinear dispersion relation. <i>Physics of Plasmas</i> , 2003 , 10, 364-372	2.1	61
185	Spontaneous electromagnetic fluctuations in unmagnetized plasmas I: General theory and nonrelativistic limit. <i>Physics of Plasmas</i> , 2012 , 19, 022105	2.1	59
184	Generalized weak turbulence theory. <i>Physics of Plasmas</i> , 2000 , 7, 4858-4871	2.1	59
183	Two-dimensional nonlinear dynamics of beam-plasma instability. <i>Plasma Physics and Controlled Fusion</i> , 2008 , 50, 085011	2	54
182	Harmonic Langmuir waves. III. Vlasov simulation. <i>Physics of Plasmas</i> , 2003 , 10, 382-391	2.1	50
181	Langmuir Turbulence and Suprathermal Electrons. <i>Space Science Reviews</i> , 2012 , 173, 459-489	7.5	49
180	Kinetic instabilities in the solar wind driven by temperature anisotropies. <i>Reviews of Modern Plasma Physics</i> , 2017 , 1, 1	5.6	48
179	Statistical theory of electromagnetic weak turbulence. <i>Physics of Plasmas</i> , 2006 , 13, 022302	2.1	48
178	Thermal fluctuation levels of magnetic and electric fields in unmagnetized plasma: The rigorous relativistic kinetic theory. <i>Physics of Plasmas</i> , 2014 , 21, 032109	2.1	46

177	MULTIPLE HARMONIC PLASMA EMISSION. <i>Astrophysical Journal</i> , 2009 , 694, 618-625	4.7	46
176	Quasilinear theory of anisotropy-beta relations for proton cyclotron and parallel firehose instabilities. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		46
175	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> , 1998 , 103, 4071-4078		46
174	PLASMA EMISSION BY NONLINEAR ELECTROMAGNETIC PROCESSES. <i>Astrophysical Journal</i> , 2015 , 806, 237	4.7	44
173	Electromagnetic weak turbulence theory revisited. <i>Physics of Plasmas</i> , 2012 , 19, 102303	2.1	43
172	Solar-wind proton anisotropy versus beta relation. <i>Physical Review Letters</i> , 2013 , 110, 071103	7.4	42
171	Terrestrial lion roars and non-Maxwellian distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,059	2.6	41
170	Quasilinear evolution of Alfvén-ion-cyclotron and mirror instabilities driven by ion temperature anisotropy. <i>Physics of Fluids B</i> , 1992 , 4, 3627-3637		41
169	Harmonic Langmuir waves. II. Turbulence spectrum. <i>Physics of Plasmas</i> , 2003 , 10, 373-381	2.1	40
168	Quasilinear theory of anisotropy-beta relation for combined mirror and proton cyclotron instabilities. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		38
167	Simulation and quasilinear theory of proton firehose instability. <i>Physics of Plasmas</i> , 2015 , 22, 012303	2.1	37
166	Effects of spontaneous fluctuations on the generalized weak turbulence theory. <i>Physics of Plasmas</i> , 2005 , 12, 042306	2.1	37
165	Asymmetric Solar Wind Electron Superthermal Distributions. <i>Astrophysical Journal</i> , 2008 , 677, 676-682	4.7	36
164	Propagation of medium frequency (1.7 MHz) auroral radio waves to the ground via the Z-mode radio window. <i>Journal of Geophysical Research</i> , 1998 , 103, 29267-29275		35
163	PLASMA EMISSION BY WEAK TURBULENCE PROCESSES. <i>Astrophysical Journal Letters</i> , 2014 , 795, L32	7.9	34
162	Quasilinear theory and particle-in-cell simulation of proton cyclotron instability. <i>Physics of Plasmas</i> , 2014 , 21, 062118	2.1	34
161	Two-dimensional time evolution of beam-plasma instability in the presence of binary collisions. <i>Astronomy and Astrophysics</i> , 2016 , 586, A19	5.1	34
160	Spontaneous thermal magnetic field fluctuation. <i>Physics of Plasmas</i> , 2007 , 14, 064504	2.1	33

159	Spontaneous emission of electromagnetic radiation in turbulent plasmas. <i>Physics of Plasmas</i> , 2014 , 21, 010701	2.1	32
158	Electron kappa distribution and steady-state Langmuir turbulence. <i>Physics of Plasmas</i> , 2012 , 19, 052301	2.1	31
157	Spontaneous electromagnetic fluctuations in unmagnetized plasmas. II. Relativistic form factors of aperiodic thermal modes. <i>Physics of Plasmas</i> , 2013 , 20, 052113	2.1	31
156	Large-amplitude whistler waves and electron acceleration. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	31
155	ASYMMETRIC SOLAR WIND ELECTRON DISTRIBUTIONS. <i>Astrophysical Journal</i> , 2012 , 755, 112	4.7	30
154	Kinetic theory of weak turbulence in magnetized plasmas: Perpendicular propagation. <i>Physics of Plasmas</i> , 2015 , 22, 082310	2.1	29
153	Dynamics of Langmuir wave decay in two dimensions. <i>Physics of Plasmas</i> , 2008 , 15, 032303	2.1	28
152	ASYMPTOTIC THEORY OF SOLAR WIND ELECTRONS. <i>Astrophysical Journal</i> , 2015 , 806, 32	4.7	27
151	Lower ionospheric cyclotron maser theory: A possible source of 2 Ω_{ce} and 3 Ω_{ce} auroral radio emissions. <i>Journal of Geophysical Research</i> , 1996 , 101, 27015-27025		27
150	Electron heat flux instability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 1672-1681	4.3	25
149	Particle-in-cell Simulations of Firehose Instability Driven by Bi-Kappa Electrons. <i>Astrophysical Journal Letters</i> , 2019 , 873, L20	7.9	24
148	Spontaneous emission of electromagnetic fluctuations in Kappa magnetized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 125003	2	24
147	SOLAR WIND STRAHL BROADENING BY SELF-GENERATED PLASMA WAVES. <i>Astrophysical Journal Letters</i> , 2013 , 769, L30	7.9	24
146	NONLINEAR EVOLUTION OF BEAM-PLASMA INSTABILITY IN INHOMOGENEOUS MEDIUM. <i>Astrophysical Journal</i> , 2011 , 727, 16	4.7	24
145	Kinetic theory of hydromagnetic turbulence. I. Formal results for parallel propagation. <i>Physics of Plasmas</i> , 2007 , 14, 102302	2.1	24
144	Particle kinetic equation including weakly turbulent mode coupling. <i>Physics of Plasmas</i> , 2003 , 10, 3881-3886		24
143	Beaming electromagnetic (or heat-flux) instabilities from the interplay with the electron temperature anisotropies. <i>Physics of Plasmas</i> , 2018 , 25, 082105	2.1	23
142	Pitch-angle diffusion of ions via nonresonant interaction with Alfvénic turbulence. <i>Physics of Plasmas</i> , 2009 , 16, 102102	2.1	23

141	ASYMMETRIC ELECTRON DISTRIBUTIONS IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2013 , 775, L21	7.9	22
140	Electromagnetic Electron Cyclotron Instability in the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6-19	2.6	22
139	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	4.3	21
138	Weak turbulence theory for collisional plasmas. <i>Physical Review E</i> , 2016 , 93, 033203	2.4	21
137	Macroscopic quasi-linear theory of electromagnetic electron cyclotron instability associated with core and halo solar wind electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9356-9368	2.6	20
136	Interplay of Electron and Proton Instabilities in Expanding Solar Wind. <i>Astrophysical Journal</i> , 2017 , 835, 246	4.7	19
135	Proton-cyclotron and firehose instabilities in inhomogeneous plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7108-7119	2.6	19
134	Oblique nonlinear whistler wave. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1851-1862	2.6	19
133	STRAHL FORMATION IN THE SOLAR WIND ELECTRONS VIA WHISTLER INSTABILITY. <i>Astrophysical Journal Letters</i> , 2015 , 811, L7	7.9	19
132	Analysis of narrowband emission observed in the Saturn magnetosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		19
131	Electromagnetic fluctuations in magnetized plasmas. I. The rigorous relativistic kinetic theory. <i>Physics of Plasmas</i> , 2015 , 22, 072108	2.1	18
130	Macroscopic quasi-linear theory and particle-in-cell simulation of helium ion anisotropy instabilities. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6071-6084	2.6	18
129	Electron temperature anisotropy regulation by whistler instability. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4410-4419	2.6	17
128	Particle-in-cell and Weak Turbulence Simulations of Plasma Emission. <i>Astrophysical Journal</i> , 2019 , 871, 74	4.7	16
127	On the dimensionally correct kinetic theory of turbulence for parallel propagation. <i>Physics of Plasmas</i> , 2015 , 22, 032310	2.1	16
126	On the ordinary mode instability for low beta plasmas. <i>Physics of Plasmas</i> , 2014 , 21, 052111	2.1	16
125	Nonlinear kinetic Alfvén waves with non-Maxwellian electron population in space plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 101-112	2.6	16
124	ON QUIET-TIME SOLAR WIND ELECTRON DISTRIBUTIONS IN DYNAMICAL EQUILIBRIUM WITH LANGMUIR TURBULENCE. <i>Astrophysical Journal</i> , 2013 , 775, 108	4.7	16

123	Generation of harmonic Langmuir mode by beam-plasma instability. <i>Physics of Plasmas</i> , 2002 , 9, 96-110	2.1	16
122	Classical Kinetic Theory of Weakly Turbulent Nonlinear Plasma Processes 2019 ,		16
121	Macroscopic quasilinear theory of parallel electron firehose instability associated with solar wind electrons. <i>Physics of Plasmas</i> , 2017 , 24, 012907	2.1	15
120	Spontaneous emission of electromagnetic fluctuations in magnetized plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 022117	2.1	15
119	SUPRATHERMAL SOLAR WIND ELECTRONS AND LANGMUIR TURBULENCE. <i>Astrophysical Journal</i> , 2016 , 828, 60	4.7	15
118	Particle-in-cell Simulations of the Whistler Heat-flux Instability in Solar Wind Conditions. <i>Astrophysical Journal Letters</i> , 2019 , 882,	7.9	15
117	Kinetic Scale Structure of Low-frequency Waves and Fluctuations. <i>Astrophysical Journal</i> , 2017 , 845, 60	4.7	15
116	Velocity moment-based quasilinear theory and particle-in-cell simulation of parallel electron firehose instability. <i>Physics of Plasmas</i> , 2017 , 24, 112104	2.1	15
115	On the marginal instability threshold condition of the aperiodic ordinary mode. <i>Physics of Plasmas</i> , 2014 , 21, 072119	2.1	15
114	Empirical versus exact numerical quasilinear analysis of electromagnetic instabilities driven by temperature anisotropy. <i>Journal of Plasma Physics</i> , 2012 , 78, 47-54	2.7	15
113	Modified Distribution of Solar Wind Electrons and Steady-state Langmuir Turbulence. <i>Astrophysical Journal</i> , 2018 , 868, 131	4.7	15
112	Upper hybrid waves and energetic electrons in the radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5365-5376	2.6	14
111	The Interplay of the Solar Wind Core and Suprathermal Electrons: A Quasilinear Approach for Firehose Instability. <i>Astrophysical Journal</i> , 2019 , 871, 237	4.7	14
110	SPONTANEOUS ELECTROMAGNETIC FLUCTUATIONS IN A RELATIVISTIC MAGNETIZED ELECTRON-POSITRON PLASMA. <i>Astrophysical Journal</i> , 2015 , 810, 103	4.7	14
109	Simulation and quasilinear theory of aperiodic ordinary mode instability. <i>Physics of Plasmas</i> , 2015 , 22, 082122	2.1	14
108	Electron contribution in mirror instability in quasi-linear regime. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6978-6990	2.6	14
107	Kinetic theory for low-frequency turbulence in magnetized plasmas including discrete-particle effects. <i>Physics of Plasmas</i> , 2008 , 15, 122312	2.1	14
106	Electromagnetic cyclotron instabilities in bi-Kappa distributed plasmas: A quasilinear approach. <i>Physics of Plasmas</i> , 2017 , 24, 042110	2.1	13

105	Solar Wind Temperature Isotropy. <i>Physical Review Letters</i> , 2019 , 123, 145101	7.4	13
104	Langmuir condensation by spontaneous scattering off electrons in two dimensions. <i>Plasma Physics and Controlled Fusion</i> , 2012 , 54, 055012	2	13
103	Stochastic heating and acceleration of minor ions by Alfvén waves. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	13
102	On nonresonant proton heating via intrinsic Alfvénic turbulence. <i>Physics of Plasmas</i> , 2009 , 16, 054503	2.1	13
101	Collisional relaxation of bi-Maxwellian plasma temperatures in magnetized plasmas. <i>Physics of Plasmas</i> , 2016 , 23, 072114	2.1	13
100	Transition from thermal to turbulent equilibrium with a resulting electromagnetic spectrum. <i>Physics of Plasmas</i> , 2014 , 21, 012306	2.1	12
99	Harmonics of electromagnetic and electrostatic plasma waves. <i>Physics of Plasmas</i> , 2005 , 12, 052305	2.1	12
98	REVISED MODEL OF THE STEADY-STATE SOLAR WIND HALO ELECTRON VELOCITY DISTRIBUTION FUNCTION. <i>Astrophysical Journal</i> , 2016 , 826, 204	4.7	12
97	Quasilinear approach of the cumulative whistler instability in fast solar wind: Constraints of electron temperature anisotropy. <i>Astronomy and Astrophysics</i> , 2019 , 627, A76	5.1	11
96	High-Frequency Wave Generation in Magnetotail Reconnection: Nonlinear Harmonics of Upper Hybrid Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 7873-7882	4.9	11
95	Two-dimensional quasilinear beam-plasma instability in inhomogeneous media. <i>Plasma Physics and Controlled Fusion</i> , 2011 , 53, 085004	2	11
94	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 ^{2.1}	2.1	11
93	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	2.6	11
92	Decay of beam-driven Langmuir wave into ion-acoustic turbulence in two dimensions. <i>Plasma Physics and Controlled Fusion</i> , 2009 , 51, 095011	2	10
91	Excitation of extraordinary Bernstein waves by a beam of energetic electrons. <i>Journal of Geophysical Research</i> , 1999 , 104, 19801-19815		10
90	Nonlinear Development of Electron Heat Flux Instability: Particle in Cell Simulation. <i>Astrophysical Journal</i> , 2019 , 876, 117	4.7	9
89	Bernstein instability driven by thermal ring distribution. <i>Physics of Plasmas</i> , 2014 , 21, 074502	2.1	9
88	Roles of hot electrons in generating upper-hybrid waves in the earth's radiation belt. <i>Physics of Plasmas</i> , 2017 , 24, 062904	2.1	9

87	Quasilinear saturation of the aperiodic ordinary mode streaming instability. <i>Physics of Plasmas</i> , 2015 , 22, 092301	2.1	9
86	Kinetic theory of turbulence for parallel propagation revisited: Formal results. <i>Physics of Plasmas</i> , 2015 , 22, 082309	2.1	9
85	Multiple harmonic plasma emission. <i>Physics of Plasmas</i> , 2007 , 14, 013301	2.1	9
84	Plasma waves and fine structure emission bands within a plasmopause density cavity source region. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	9
83	PLASMA EMISSION BY COUNTER-STREAMING ELECTRON BEAMS. <i>Astrophysical Journal</i> , 2016 , 818, 61	4.7	9
82	Spontaneous emission of electromagnetic and electrostatic fluctuations in magnetized plasmas: Quasi-parallel modes. <i>Physics of Plasmas</i> , 2016 , 23, 022111	2.1	9
81	Suprathermal Spontaneous Emissions in β -distributed Plasmas. <i>Astrophysical Journal Letters</i> , 2018 , 868, L25	7.9	9
80	Characteristics of heat flux and electromagnetic electron-cyclotron instabilities driven by solar wind electrons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , stx049	4.3	8
79	The Generation of Upward-Propagating Whistler Mode Waves by Electron Beams in the Jovian Polar Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027868	2.6	8
78	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	2.3	8
77	Source region and growth analysis of narrowband Z-mode emission at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,929	2.6	8
76	Quasilinear theory of general electromagnetic fluctuations in unmagnetized plasmas. <i>Physics of Plasmas</i> , 2014 , 21, 092102	2.1	8
75	Relativistic Bernstein mode instability. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 055009	2	8
74	Quasilinear evolution of cyclotron maser instability. <i>Physical Review E</i> , 1995 , 51, 4908-4916	2.4	8
73	A New Scenario for Type III Solar Radio Emission. <i>Astrophysical Journal</i> , 2000 , 540, 572-582	4.7	8
72	ON THE ISOTROPIZATION OF SOLAR WIND PROTONS. <i>Astrophysical Journal</i> , 2016 , 833, 106	4.7	8
71	Thermodynamic, Non-Extensive, or Turbulent Quasi-Equilibrium for the Space Plasma Environment. <i>Entropy</i> , 2019 , 21, 820	2.8	7
70	STEADY-STATE MODEL OF SOLAR WIND ELECTRONS REVISITED. <i>Astrophysical Journal</i> , 2015 , 812, 169	4.7	7

69	Electromagnetic fluctuations in magnetized plasmas II: Extension of the theory for parallel wave vectors. <i>Physics of Plasmas</i> , 2015 , 22, 102111	2.1	7
68	Simulation and theory for two-dimensional beam-plasma instability. <i>Physics of Plasmas</i> , 2010 , 17, 122318	2.1	7
67	Maser-beam instability of Bernstein waves. <i>Physics of Plasmas</i> , 2000 , 7, 4720-4728	2.1	7
66	Collisional damping rates for plasma waves. <i>Physics of Plasmas</i> , 2016 , 23, 064504	2.1	7
65	Low frequency electromagnetic fluctuations in Kappa magnetized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 075010	2	7
64	Weak turbulence theory for beam-plasma interaction. <i>Physics of Plasmas</i> , 2018 , 25, 011603	2.1	6
63	Electromagnetic fluctuation spectra of collective oscillations in magnetized Maxwellian plasmas for parallel wave vectors. <i>Physics of Plasmas</i> , 2016 , 23, 052106	2.1	6
62	Simulation and Quasi-Linear Theory of Whistler Anisotropy Instability. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3277-3290	2.6	6
61	Kinetic theory of turbulence for parallel propagation revisited: Low-to-intermediate frequency regime. <i>Physics of Plasmas</i> , 2015 , 22, 092307	2.1	6
60	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	4.3	5
59	Simulation and Quasi-linear Theory of Magnetospheric Bernstein Mode Instability. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7320-7331	2.6	5
58	Solar Wind Electron Acceleration via Langmuir Turbulence. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013 , 24, 175	1.8	5
57	Empirical model of whistler anisotropy instability. <i>Physics of Plasmas</i> , 2011 , 18, 102103	2.1	5
56	Progress in the kinetic theory of electrostatic harmonics of plasma waves. <i>Physics of Plasmas</i> , 2005 , 12, 052313	2.1	5
55	Right-hand polarized 4fce auroral roar emissions: 2. Nonlinear generation theory. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7981-7987	2.6	5
54	On the equilibrium between proton distribution and compressible kinetic Alfvénic fluctuations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 4279-4289	4.3	5
53	Spatial propagation and damping of ordinary electromagnetic mode. <i>Physics of Plasmas</i> , 2018 , 25, 082114	2.1	5
52	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	2.6	4

51	Theory of ion holes in space and astrophysical plasmas. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020 , 497, L69-L75	4-3	4
50	High-Frequency Waves Driven by Agyrotropic Electrons Near the Electron Diffusion Region. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087111	4-9	4
49	Primordial Plasma Fuctuations. 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	4-7	4
48	Spatial damping of parallel propagating electromagnetic waves in magnetized plasmas. <i>Physics of Plasmas</i> , 2018 , 25, 084501	2-1	4
47	Combined electron firehose and electromagnetic ion cyclotron instabilities: quasilinear approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 659-667	4-3	4
46	Effects of Thermal Fluctuations on Temperature Anisotropy Instabilities in the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8924-8939	2-6	4
45	Electron Bernstein-Greene-Kruskal hole for obliquely propagating solitary kinetic Alfvén waves. <i>Physics of Plasmas</i> , 2017 , 24, 042903	2-1	3
44	Quasi Thermal Noise Spectroscopy for Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2811-2818	2-6	3
43	ON THE BEAM INDUCED QUASI-INSTABILITY TRANSFORMATION OF THE DAMPED APERIODIC MODE IN THE INTERGALACTIC MEDIUM. <i>Astrophysical Journal</i> , 2016 , 817, 159	4-7	3
42	Electromagnetic Thermal Noise in Upper-Hybrid Frequency Range. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5356-5363	2-6	3
41	Whistler Instability Driven by Electron Thermal Ring Distribution With Magnetospheric Application. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5289-5301	2-6	3
40	Velocity Fluctuations Driven by the Damped, Aperiodic Mode in the Intergalactic Medium. <i>Astrophysical Journal</i> , 2017 , 844, 124	4-7	3
39	Spontaneous emission of Alfvénic fluctuations. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 095002	2	3
38	Linear theory of low frequency magnetosonic instabilities in counterstreaming bi-Maxwellian plasmas. <i>Physics of Plasmas</i> , 2015 , 22, 092131	2-1	3
37	Solar Wind Electron Energization by Plasma Turbulence. <i>Journal of Physics: Conference Series</i> , 2015 , 642, 012030	0-3	3
36	Kinetics of general electromagnetic fluctuations in unmagnetized plasmas: aperiodic thermal noise. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 014013	2	3
35	Electron mirror and cyclotron instabilities for solar wind plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 509, 3764-3771	4-3	3
34	Weak magnetohydrodynamic turbulence. <i>Physics of Plasmas</i> , 2021 , 28, 082306	2-1	3

33	Nonlinear evolutions of large amplitude oblique whistler waves. <i>Physics of Plasmas</i> , 2018 , 25, 062904	2.1	2
32	Proton Perpendicular Heating by Kinetic Alfvén Waves. <i>Astrophysical Journal</i> , 2019 , 878, 141	4.7	2
31	Cyclotron instabilities driven by temperature anisotropy in the solar wind. <i>Physics of Plasmas</i> , 2017 , 24, 102902	2.1	2
30	Generation of Suprathermal Electrons by Collective Processes in Collisional Plasma. <i>Astrophysical Journal Letters</i> , 2017 , 849, L30	7.9	2
29	Weakly turbulent plasma processes in the presence of inverse power-law velocity tail population. <i>Physics of Plasmas</i> , 2017 , 24, 112902	2.1	2
28	Electron distributions observed with Langmuir waves in the plasma sheet boundary layer. <i>Physics of Plasmas</i> , 2014 , 21, 092121	2.1	2
27	Simulation of Plasma Emission in Magnetized Plasmas. <i>Astrophysical Journal</i> , 2022 , 924, 36	4.7	2
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