

Liu Chen

List of Publications by Year in descending order

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289
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294
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294
times ranked

3484
citing authors

#	ARTICLE	IF	CITATIONS
1	A theory of long-period magnetic pulsations: 1. Steady state excitation of field line resonance. Journal of Geophysical Research, 1974, 79, 1024-1032.	3.3	1,003
2	Nonlinear gyrokinetic equations for low-frequency electromagnetic waves in general plasma equilibria. Physics of Fluids, 1982, 25, 502.	1.4	678
3	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. Nature, 2013, 504, 411-414.	13.7	608
4	Kinetic processes in plasma heating by resonant mode conversion of Alfvén wave. Physics of Fluids, 1976, 19, 1924.	1.4	478
5	Excitation of Internal Kink Modes by Trapped Energetic Beam Ions. Physical Review Letters, 1984, 52, 1122-1125.	2.9	478
6	High-n ideal and resistive shear Alfvén waves in tokamaks. Annals of Physics, 1985, 161, 21-47.	1.0	443
7	Plasma heating by spatial resonance of Alfvén wave. Physics of Fluids, 1974, 17, 1399.	1.4	342
8	Physics of Alfvén waves and energetic particles in burning plasmas. Reviews of Modern Physics, 2016, 88, .	16.4	325
9	Theory of magnetohydrodynamic instabilities excited by energetic particles in tokamaks*. Physics of Plasmas, 1994, 1, 1519-1522.	0.7	314
10	A theory of long-period magnetic pulsations: 2. Impulse excitation of surface eigenmode. Journal of Geophysical Research, 1974, 79, 1033-1037.	3.3	303
11	Kinetic Process of Plasma Heating Due to Alfvén Wave Excitation. Physical Review Letters, 1975, 35, 370-373.	2.9	294
12	Excitation of zonal flow by drift waves in toroidal plasmas. Physics of Plasmas, 2000, 7, 3129-3132.	0.7	271
13	Kinetic theory of low-frequency Alfvén modes in tokamaks. Plasma Physics and Controlled Fusion, 1996, 38, 2011-2028.	0.9	258
14	Kinetic theory of geomagnetic pulsations: 1. Internal excitations by energetic particles. Journal of Geophysical Research, 1991, 96, 1503-1512.	3.3	236
15	Plasma Heating by Alfvén-Wave Phase Mixing. Physical Review Letters, 1974, 32, 454-456.	2.9	207
16	Resonant damping of toroidicity-induced shear-Alfvén eigenmodes in tokamaks. Physical Review Letters, 1992, 68, 592-595.	2.9	186
17	Radial structures and nonlinear excitation of geodesic acoustic modes. Europhysics Letters, 2008, 83, 35001.	0.7	169
18	On resonant heating below the cyclotron frequency. Physics of Plasmas, 2001, 8, 4713-4716.	0.7	150

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19	Electron fishbones: theory and experimental evidence. Nuclear Fusion, 2007, 47, 1588-1597.	1.6	137
20	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. Geophysical Research Letters, 2013, 40, 4127-4132.	1.5	134
21	Theory of Alfvén waves and energetic particle physics in burning plasmas. Nuclear Fusion, 2007, 47, S727-S734.	1.6	130
22	Transport of Energetic Particles by Microturbulence in Magnetized Plasmas. Physical Review Letters, 2008, 101, 095001.	2.9	121
23	Theory of kinetic ballooning modes excited by energetic particles in tokamaks. Physics of Fluids B, 1993, 5, 3284-3290.	1.7	116
24	Existence of ion temperature gradient driven shear Alfvén instabilities in tokamaks. Physics of Plasmas, 1999, 6, 1917-1924.	0.7	116
25	Three-dimensional hybrid gyrokinetic-magnetohydrodynamics simulation. Physics of Fluids B, 1992, 4, 2033-2037.	1.7	115
26	Internal Kink Instability during Off-Axis Electron Cyclotron Current Drive in the DIII-D Tokamak. Physical Review Letters, 2000, 85, 996-999.	2.9	114
27	A fluid-kinetic hybrid electron model for electromagnetic simulations. Physics of Plasmas, 2001, 8, 1447-1450.	0.7	111
28	Ion-temperature-gradient instability in toroidal plasmas. Physics of Fluids, 1983, 26, 673.	1.4	110
29	Parametric Decay of "Kinetic Alfvén Wave" and Its Application to Plasma Heating. Physical Review Letters, 1976, 36, 1362-1365.	2.9	109
30	Ballooning instabilities in tokamaks with sheared toroidal flows. Physics of Fluids B, 1991, 3, 601-610.	1.7	109
31	Characteristics of the Poynting flux and wave normal vectors of whistler-mode waves observed on THEMIS. Journal of Geophysical Research: Space Physics, 2013, 118, 1461-1471.	0.8	101
32	Ion radial transport induced by ICRF waves in tokamaks. Nuclear Fusion, 1988, 28, 389-398.	1.6	100
33	Drift-wave eigenmodes in toroidal plasmas. Physics of Fluids, 1980, 23, 2242.	1.4	93
34	Trapped particle destabilization of the internal kink mode. Physics of Fluids, 1985, 28, 278-286.	1.4	91
35	Nonlinear dynamics of phase space zonal structures and energetic particle physics in fusion plasmas. New Journal of Physics, 2015, 17, 013052.	1.2	91
36	Theory of continuum damping of toroidal Alfvén eigenmodes in finite- β tokamaks. Physics of Fluids B, 1993, 5, 3668-3690.	1.7	90

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37	Theory of toroidal Alfvén modes excited by energetic particles in tokamaks. <i>Physics of Plasmas</i> , 1996, 3, 323-343.	0.7	90
38	A D- ³ He fusion reactor based on a dipole magnetic field. <i>Nuclear Fusion</i> , 1990, 30, 2405-2413.	1.6	87
39	Microinstabilities in weak density gradient tokamak systems. <i>Physics of Fluids</i> , 1986, 29, 3715.	1.4	86
40	Theory of plasma transport induced by low-frequency hydromagnetic waves. <i>Journal of Geophysical Research</i> , 1999, 104, 2421-2427.	3.3	81
41	Transition from weak to strong energetic ion transport in burning plasmas. <i>Nuclear Fusion</i> , 2005, 45, 477-484.	1.6	78
42	Resonant plasma heating below the cyclotron frequency. <i>Physics of Plasmas</i> , 2002, 9, 1890-1897.	0.7	76
43	Role of nonlinear toroidal coupling in electron temperature gradient turbulence. <i>Physics of Plasmas</i> , 2005, 12, 056125.	0.7	75
44	Existence of discrete modes in an unstable shear Alfvén continuous spectrum. <i>Plasma Physics and Controlled Fusion</i> , 1998, 40, 2009-2021.	0.9	74
45	ULF pulsation evidence of the plasmopause 3. Interpretation of polarization and spectral amplitude studies of Pc 3 and Pc 4 pulsations near $L=4$. <i>Journal of Geophysical Research</i> , 1974, 79, 4648-4653.	3.3	73
46	Energetic particle mode stability in tokamaks with hollow q-profiles. <i>Physics of Plasmas</i> , 2002, 9, 4939-4956.	0.7	73
47	Non-linear zonal dynamics of drift and drift-Alfvén turbulence in tokamak plasmas. <i>Nuclear Fusion</i> , 2001, 41, 747-753.	1.6	72
48	Theory and simulation of discrete kinetic beta induced Alfvén eigenmode in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2010, 52, 115005.	0.9	72
49	Theory on excitations of drift Alfvén waves by energetic particles. II. The general fishbone-like dispersion relation. <i>Physics of Plasmas</i> , 2014, 21, 072121.	0.7	72
50	On field line resonances of hydromagnetic Alfvén waves in dipole magnetic field. <i>Geophysical Research Letters</i> , 1989, 16, 895-897.	1.5	70
51	Collisionless damping of short wavelength geodesic acoustic modes. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 012001.	0.9	70
52	Nonlinear Excitations of Zonal Structures by Toroidal Alfvén Eigenmodes. <i>Physical Review Letters</i> , 2012, 109, 145002.	2.9	70
53	Unified theory of resonant excitation of kinetic ballooning modes by energetic ions and alpha particles in tokamaks. <i>Physical Review Letters</i> , 1991, 67, 3681-3684.	2.9	69
54	Physics of burning plasmas in toroidal magnetic confinement devices. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, B15-B28.	0.9	68

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55	Direct evidence for EMIC wave scattering of relativistic electrons in space. Journal of Geophysical Research: Space Physics, 2016, 121, 6620-6631.	0.8	67
56	On magnetospheric hydromagnetic waves excited by energetic ring-current particles. Journal of Geophysical Research, 1988, 93, 8763-8767.	3.3	66
57	First observation of rising-tone magnetosonic waves. Geophysical Research Letters, 2014, 41, 7419-7426.	1.5	66
58	Theory of magnetic pulsations. Space Science Reviews, 1974, 16, 347.	3.7	65
59	Wave-Particle Decorrelation and Transport of Anisotropic Turbulence in Collisionless Plasmas. Physical Review Letters, 2007, 99, 265003.	2.9	61
60	Excitation of the Plasmapause at Ultralow Frequencies. Physical Review Letters, 1973, 31, 624-628.	2.9	60
61	Theory of dissipative drift instabilities in sheared magnetic fields. Nuclear Fusion, 1979, 19, 373-387.	1.6	60
62	Anisotropic Alfvén-ballooning modes in Earth's magnetosphere. Journal of Geophysical Research, 1994, 99, 17351.	3.3	58
63	Theory of shear Alfvén waves in toroidal plasmas. Physica Scripta, 1995, T60, 81-90.	1.2	58
64	High-frequency fishbones at JET: theoretical interpretation of experimental observations. Nuclear Fusion, 2009, 49, 085009.	1.6	58
65	Destabilization of energetic particle modes by localized particle sources. Physics of Plasmas, 2000, 7, 4600-4608.	0.7	57
66	Nonlocal theory of energetic-particle-induced geodesic acoustic mode. Plasma Physics and Controlled Fusion, 2010, 52, 095003.	0.9	57
67	Energetic particles and multi-scale dynamics in fusion plasmas. Plasma Physics and Controlled Fusion, 2015, 57, 014024.	0.9	57
68	Bounce precession fishbones in the national spherical torus experiment. Nuclear Fusion, 2003, 43, 1258-1264.	1.6	56
69	Theory on excitations of drift Alfvén waves by energetic particles. I. Variational formulation. Physics of Plasmas, 2014, 21, 072120.	0.7	56
70	Shear flow generation by drift waves revisited. Physics of Plasmas, 2001, 8, 459-462.	0.7	55
71	Identify the nonlinear wave-particle interaction regime in rising tone chorus generation. Geophysical Research Letters, 2017, 44, 3441-3446.	1.5	55
72	Lower hybrid parametric instabilities—Nonuniform pump waves and tokamak applications. Physics of Fluids, 1977, 20, 1864.	1.4	53

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73	Drift-Modified Tearing Instabilities Due to Trapped Electrons. <i>Physical Review Letters</i> , 1977, 39, 460-463.	2.9	53
74	Global gyrokinetic particle simulations with kinetic electrons. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B163-B172.	0.9	53
75	Nonlinear Saturation of Toroidal Alfvén Eigenmodes via Ion Compton Scattering. <i>Physical Review Letters</i> , 1995, 74, 266-269.	2.9	52
76	Zonal-Flow Dynamics and Size Scaling of Anomalous Transport. <i>Physical Review Letters</i> , 2004, 92, 075004.	2.9	52
77	Nonlinear paradigm for drift wave-zonal flow interplay: Coherence, chaos, and turbulence. <i>Physics of Plasmas</i> , 2004, 11, 2488-2496.	0.7	52
78	Resonant and non-resonant particle dynamics in Alfvén mode excitations. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, 537-556.	0.9	52
79	Plasma-induced efficiency enhancement in a backward wave oscillator. <i>Physical Review Letters</i> , 1989, 63, 2808-2811.	2.9	51
80	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. <i>Geophysical Research Letters</i> , 2014, 41, 6307-6313.	1.5	51
81	Resistive ballooning modes in an axisymmetric toroidal plasma with long mean free path. <i>Physics of Fluids</i> , 1985, 28, 2201.	1.4	50
82	Statistical Properties of Plasmaspheric Hiss From Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2605-2619.	0.8	50
83	Linear oscillations in general magnetically confined plasmas. <i>Plasma Physics</i> , 1983, 25, 349-359.	0.9	49
84	Magnetohydrodynamic ballooning instabilities excited by energetic trapped particles. <i>Physics of Fluids</i> , 1985, 28, 1359.	1.4	49
85	On nonlinear physics of shear Alfvén waves. <i>Physics of Plasmas</i> , 2013, 20, 055402.	0.7	49
86	Theory of Ulf modulation of VLF emissions. <i>Geophysical Research Letters</i> , 1974, 1, 73-75.	1.5	48
87	Theory of plasma heating by nonlinear excitation of lower hybrid resonance. <i>Physics of Fluids</i> , 1975, 18, 1321.	1.4	48
88	First evidence for chorus at a large geocentric distance as a source of plasmaspheric hiss: Coordinated THEMIS and Van Allen Probes observation. <i>Geophysical Research Letters</i> , 2015, 42, 241-248.	1.5	48
89	Theoretical and numerical studies of chorus waves: A review. <i>Science China Earth Sciences</i> , 2020, 63, 78-92.	2.3	48
90	Shielding of moving test particles in warm, isotropic plasma. <i>Journal of Plasma Physics</i> , 1973, 9, 311-324.	0.7	47

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91	On resonant destabilization of toroidal Alfvén eigenmodes by circulating and trapped energetic ions/alpha particles in tokamaks. <i>Physics of Fluids B</i> , 1992, 4, 2385-2388.	1.7	47
92	Theory of Universal Eigenmodes in a Sheared Magnetic Field. <i>Physical Review Letters</i> , 1978, 41, 649-653.	2.9	44
93	An extended hybrid magnetohydrodynamics gyrokinetic model for numerical simulation of shear Alfvén waves in burning plasmas. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	44
94	Study of kinetic shear Alfvén modes driven by ion temperature gradient in tokamak plasmas. <i>Nuclear Fusion</i> , 1999, 39, 1041-1050.	1.6	43
95	A gyrokinetic electron and fully kinetic ion plasma simulation model. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, 657-669.	0.9	43
96	Propagation characteristics of plasmaspheric hiss: Van Allen Probe observations and global empirical models. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4156-4167.	0.8	43
97	Global structures of Alfvén-ballooning modes in magnetospheric plasmas. <i>Geophysical Research Letters</i> , 1994, 21, 2091-2094.	1.5	40
98	Unstable universal drift eigenmodes in toroidal plasmas. <i>Physics of Fluids</i> , 1980, 23, 1770.	1.4	39
99	Alfvén waves: a journey between space and fusion plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 124001.	0.9	39
100	ION HEATING BY A SPECTRUM OF OBLIQUELY PROPAGATING LOW-FREQUENCY ALFVÉN WAVES. <i>Astrophysical Journal</i> , 2009, 704, 743-749.	1.6	39
101	Kinetic Theories of Geodesic Acoustic Modes: Radial Structure, Linear Excitation by Energetic Particles and Nonlinear Saturation. <i>Plasma Science and Technology</i> , 2011, 13, 257-266.	0.7	39
102	Active control of Alfvén eigenmodes in magnetically confined toroidal plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 054007.	0.9	37
103	Van Allen Probes Observations of Chorus Wave Vector Orientations: Implications for the Chorus Hiss Mechanism. <i>Geophysical Research Letters</i> , 2019, 46, 2337-2346.	1.5	36
104	A "Trap-Release-Amplify" Model of Chorus Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029585.	0.8	36
105	Effect of Magnetic Shear on Dissipative Drift-Wave Instabilities. <i>Physical Review Letters</i> , 1978, 40, 1566-1570.	2.9	35
106	The long-wavelength limit of the ion temperature gradient mode in tokamak plasmas. <i>Physics of Fluids B</i> , 1991, 3, 611-614.	1.7	35
107	Gyrokinetic-magnetohydrodynamic hybrid simulation of the transition from toroidal Alfvén eigenmodes to kinetic ballooning modes in tokamaks. <i>Physics of Plasmas</i> , 1996, 3, 2349-2352.	0.7	35
108	Resonant excitation of whistler waves by a helical electron beam. <i>Geophysical Research Letters</i> , 2016, 43, 2413-2421.	1.5	35

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109	Parametric excitation of 'kinetic' Alfvén waves by whistler waves. Plasma Physics, 1977, 19, 47-51.	0.9	34
110	Nonlinear equilibria, stability and generation of zonal structures in toroidal plasmas. Nuclear Fusion, 2007, 47, 886-891.	1.6	34
111	Kinetic theory of geodesic acoustic modes in toroidal plasmas: a brief review. Plasma Science and Technology, 2018, 20, 094004.	0.7	34
112	Ballooning-mode theory of trapped-electron instabilities in tokamaks. Nuclear Fusion, 1981, 21, 403-408.	1.6	33
113	First Evidence of Collective Alpha Particle Effect on Toroidal Alfvén Eigenmodes in the TFTR D-T Experiment. Physical Review Letters, 1996, 76, 2286-2289.	2.9	33
114	Nonlinear Saturation of the Dissipative Trapped-Electron Instability. Physical Review Letters, 1977, 39, 754-757.	2.9	32
115	Continuous Spectrum of Shear Alfvén Waves within Magnetic Islands. Physical Review Letters, 2010, 105, 095002.	2.9	32
116	Nonlinear Decay and Plasma Heating by a Toroidal Alfvén Eigenmode. Physical Review Letters, 2018, 120, 135001.	2.9	32
117	Influence of resistivity on energetic trapped particle-induced internal kink modes. Physics of Fluids, 1986, 29, 1760.	1.4	31
118	Excitation of kinetic geodesic acoustic modes by drift waves in nonuniform plasmas. Physics of Plasmas, 2014, 21, 022304.	0.7	31
119	Kinetic theory of geomagnetic pulsations: 3. Global analysis of drift Alfvén-ballooning modes. Journal of Geophysical Research, 1996, 101, 15441-15456.	3.3	30
120	Discrete Alfvén eigenmodes in high- β^2 toroidal plasmas. Physics of Plasmas, 2004, 11, 1-4.	0.7	30
121	Global theory of beta-induced Alfvén eigenmode excited by energetic ions. Physics of Plasmas, 2015, 22, 092501.	0.7	30
122	Characterisation of the fast-ion edge resonant transport layer induced by 3D perturbative fields in the ASDEX Upgrade tokamak through full orbit simulations. Plasma Physics and Controlled Fusion, 2019, 61, 014038.	0.9	30
123	â€™BAAEâ€™™ instabilities observed without fast ion drive. Nuclear Fusion, 2021, 61, 016029.	1.6	30
124	Finite gyroradius theory of drift compressional modes. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	29
125	Effects of energetic particles on zonal flow generation by toroidal Alfvén eigenmode. Physics of Plasmas, 2016, 23, .	0.7	29
126	Analysis of the Duration of Rising Tone Chorus Elements. Geophysical Research Letters, 2017, 44, 12,074.	1.5	29

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127	Analytical Theory of Drift Waves and Drift-Alfvén Waves in Tokamaks. <i>Physical Review Letters</i> , 1979, 42, 708-711.	2.9	28
128	Radial Spreading of Drift-Wave Zonal-Flow Turbulence via Soliton Formation. <i>Physical Review Letters</i> , 2009, 103, 055002.	2.9	28
129	Kinetic structures of shear Alfvén and acoustic wave spectra in burning plasmas. <i>Journal of Physics: Conference Series</i> , 2010, 260, 012022.	0.3	28
130	Gyrokinetic theory of parametric decays of kinetic Alfvén waves. <i>Europhysics Letters</i> , 2011, 96, 35001.	0.7	28
131	Geodesic acoustic mode excitation by a spatially broad energetic particle beam. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	28
132	Absolute dissipative drift-wave instabilities in tokamaks. <i>Nuclear Fusion</i> , 1980, 20, 901-905.	1.6	27
133	Electron temperature gradient instability in toroidal plasmas. <i>Physics of Plasmas</i> , 2002, 9, 4699-4708.	0.7	27
134	Kinetic Alfvén wave instability driven by field-aligned currents in a low- β plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2951-2957.	0.8	27
135	Experimental investigation of the dehumidification performance of a metal-organic framework MIL-101(Cr)/ ceramic fibre paper for use as a desiccant wheel. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110378.	2.2	27
136	Spatial depletion of the lower hybrid cone through parametric decay. <i>Nuclear Fusion</i> , 1977, 17, 779-785.	1.6	26
137	Nonlinear interaction of energetic ring current protons with magnetospheric hydromagnetic waves. <i>Geophysical Research Letters</i> , 1989, 16, 1133-1136.	1.5	26
138	First Observation of Alpha Particle Loss Induced by Kinetic Ballooning Modes in TFTR Deuterium-Tritium Experiments. <i>Physical Review Letters</i> , 1996, 76, 1071-1074.	2.9	26
139	Effect of rotation on ideal and resistive MHD modes. <i>Nuclear Fusion</i> , 1999, 39, 2107-2111.	1.6	26
140	Scalings of energetic particle transport by ion temperature gradient microturbulence. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	26
141	Kinetic Alfvén wave instability driven by electron temperature anisotropy in high- β plasmas. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	26
142	Nonlinear dynamics of beta-induced Alfvén eigenmode driven by energetic particles. <i>Physical Review E</i> , 2012, 86, 045401.	0.8	25
143	EXCITATION OF KINETIC ALFVÉN WAVES BY FAST ELECTRON BEAMS. <i>Astrophysical Journal</i> , 2014, 793, 13.	1.6	25
144	Quasilinear analysis of saturation properties of broadband whistler mode waves. <i>Geophysical Research Letters</i> , 2017, 44, 8122-8129.	1.5	25

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145	Kinetic theory of the ionâ€temperatureâ€gradientâ€driven mode in the long wavelength limit. Physics of Fluids B, 1991, 3, 2496-2505.	1.7	24
146	Nonlinear dynamics of AlfvÃ©n eigenmodes in toroidal plasmas. Plasma Physics and Controlled Fusion, 1998, 40, 1823-1829.	0.9	24
147	Overview of the FTU results. Nuclear Fusion, 2009, 49, 104013.	1.6	24
148	Fractional Resonances between Waves and Energetic Particles in Tokamak Plasmas. Physical Review Letters, 2012, 109, 035003.	2.9	24
149	Status and Plans for TFTR. Fusion Science and Technology, 1992, 21, 1324-1331.	0.6	23
150	Nonlinear toroidal mode coupling: a new paradigm for drift wave turbulence in toroidal plasmas. Plasma Physics and Controlled Fusion, 2005, 47, B71-B81.	0.9	23
151	Electrostatic waves in general magnetic field configurations. Physics of Fluids, 1983, 26, 141.	1.4	22
152	A particle simulation of current sheet instabilities under finite guide field. Physics of Plasmas, 2008, 15, 072103.	0.7	22
153	An improved gyrokinetic electron and fully kinetic ion particle simulation scheme: benchmark with a linear tearing mode. Plasma Physics and Controlled Fusion, 2011, 53, 054013.	0.9	22
154	On energetic-particle excitations of low-frequency AlfvÃ©n eigenmodes in toroidal plasma. Physics of Plasmas, 2017, 24, .	0.7	22
155	Controlling the Chirping of Chorus Waves via Magnetic Field Inhomogeneity. Geophysical Research Letters, 2020, 47, e2020GL087791.	1.5	22
156	Reduction of the grid effects in simulation plasmas. Journal of Computational Physics, 1974, 14, 200-222.	1.9	21
157	Semicollisional drift-tearing modes in toroidal plasmas. Physics of Fluids, 1986, 29, 1891.	1.4	21
158	Plasma compressibility induced toroidal AlfvÃ©n eigenmode. Physics of Plasmas, 1998, 5, 444-449.	0.7	21
159	Effect of toroidal rotation on the localized modes in low beta circular tokamaks. Physics of Plasmas, 1999, 6, 1217-1226.	0.7	21
160	Gyrophase-coherent electron cyclotron maser. Physics of Fluids, 1988, 31, 3120.	1.4	20
161	Theory of charged particle heating by low-frequency AlfvÃ©n waves. Physics of Plasmas, 2008, 15, .	0.7	20
162	The importance of parallel nonlinearity in the self-interaction of geodesic acoustic mode. Nuclear Fusion, 2009, 49, 125009.	1.6	20

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163	On nonlinear geodesic acoustic modes in tokamak plasmas. <i>Europhysics Letters</i> , 2014, 107, 15003.	0.7	20
164	Kinetic theory of geomagnetic pulsations: 2. Ion flux modulations by transverse waves. <i>Journal of Geophysical Research</i> , 1994, 99, 179.	3.3	19
165	Study of kinetic shear Alfvén instability in tokamak plasmas. <i>Physics of Plasmas</i> , 2004, 11, 997-1005.	0.7	19
166	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8300-8316.	0.8	19
167	Construction of quasi-cyclic LDPC codes based on the minimum weight codewords of reed-solomon codes. , 0, , .		18
168	Kinetic Alfvén wave instability driven by a field-aligned current in high- β tokamak plasmas. <i>Physical Review E</i> , 2011, 84, 046406.	0.8	18
169	Observation of nonlinear couplings between coexisting kinetic geodesic acoustic modes in the edge plasmas of the HT-7 tokamak. <i>Nuclear Fusion</i> , 2013, 53, 113008.	1.6	18
170	Spontaneous excitation of geodesic acoustic mode by toroidal Alfvén eigenmodes. <i>Europhysics Letters</i> , 2013, 101, 35001.	0.7	18
171	Observational evidence of the drift-mirror plasma instability in Earth's inner magnetosphere. <i>Physics of Plasmas</i> , 2019, 26, 042110.	0.7	18
172	A Theoretical Framework of Chorus Wave Excitation. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	18
173	Theory of semicollisional kinetic Alfvén modes in sheared magnetic fields. <i>Physics of Fluids</i> , 1985, 28, 3061.	1.4	17
174	Eigenmode stability analysis of drift-mirror modes in nonuniform plasmas. <i>Annales Geophysicae</i> , 2006, 24, 2435-2439.	0.6	17
175	Theory of energetic trapped particle-induced resistive interchange ballooning modes. <i>Physics of Fluids</i> , 1986, 29, 2960-2974.	1.4	16
176	Ion temperature gradient instability and anomalous transport. <i>Plasma Physics and Controlled Fusion</i> , 1989, 31, 423-430.	0.9	16
177	Alpha-driven magnetohydrodynamics (MHD) and MHD-induced alpha loss in the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1997, 4, 1610-1616.	0.7	16
178	2D continuous spectrum of shear Alfvén waves in the presence of a magnetic island. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 025009.	0.9	16
179	Gyrokinetic theory of the nonlinear saturation of a toroidal Alfvén eigenmode. <i>Nuclear Fusion</i> , 2019, 59, 066024.	1.6	16
180	Nonlinear radial envelope evolution equations and energetic particle transport in tokamak plasmas. <i>Journal of Physics: Conference Series</i> , 2021, 1785, 012005.	0.3	16

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