

Liu Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4397381/publications.pdf>

Version: 2024-02-01

289
papers

15,349
citations

20759

60
h-index

22102

113
g-index

294
all docs

294
docs citations

294
times ranked

3484
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental evidence of nonlinear avalanche dynamics of energetic particle modes. <i>Europhysics Letters</i> , 2022, 138, 54002.	0.7	3
2	A Theoretical Framework of Chorus Wave Excitation. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	18
3	How Zonal Flow Affects Trapped-Electron-Driven Turbulence in Tokamak Plasmas. <i>Physical Review Letters</i> , 2022, 128, 025003.	2.9	4
4	Theoretical studies of low-frequency Alfvén modes in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2022, 64, 035019.	0.9	12
5	Parity-breaking parametric decay instability of kinetic Alfvén waves in a nonuniform plasma. <i>Physics of Plasmas</i> , 2022, 29, 050701.	0.7	2
6	On scattering and damping of toroidal Alfvén eigenmode by drift wave turbulence. <i>Nuclear Fusion</i> , 2022, 62, 094001.	1.6	7
7	Experimental study and performance analysis on a closed-cycle rotary dehumidification air conditioning system in deep underground spaces. <i>Case Studies in Thermal Engineering</i> , 2022, 37, 102245.	2.8	12
8	Physics of kinetic Alfvén waves: a gyrokinetic theory approach. <i>Reviews of Modern Plasma Physics</i> , 2021, 5, 1.	2.2	13
9	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
10	A Gyrokinetic simulation model for low frequency electromagnetic fluctuations in magnetized plasmas. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	5
11	Optimizing beam-ion confinement in ITER by adjusting the toroidal phase of the 3D magnetic fields applied for ELM control. <i>Nuclear Fusion</i> , 2021, 61, 046006.	1.6	15
12	An Unexpected Whistler Wave Generation Around Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028957.	0.8	12
13	Gyrokinetic theory of low-frequency electromagnetic waves in finite- β^2 anisotropic plasmas. <i>Physics of Plasmas</i> , 2021, 28, 052103.	0.7	4
14	Evidence of $\tilde{\omega}^2$ plasmon decay of energetic particle induced geodesic acoustic mode. <i>New Journal of Physics</i> , 2021, 23, 063045.	1.2	2
15	A $\tilde{\omega}$ Trap Release Amplify Model of Chorus Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029585.	0.8	36
16	Observational Evidence of the Excitation of Magnetosonic Waves by an He^{++} Ion Ring Distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029532.	0.8	4
17	$\tilde{\omega}$ BAE instabilities observed without fast ion drive. <i>Nuclear Fusion</i> , 2021, 61, 016029.	1.6	30
18	Nonlinear dynamics and phase space transport by chorus emission. <i>Reviews of Modern Plasma Physics</i> , 2021, 5, 1.	2.2	12

#	ARTICLE	IF	CITATIONS
19	Theoretical and numerical studies of chorus waves: A review. <i>Science China Earth Sciences</i> , 2020, 63, 78-92.	2.3	48
20	Unexpanded nonlinear electromagnetic gyrokinetic equations for magnetized plasmas. <i>Plasma Science and Technology</i> , 2020, 22, 102001.	0.7	4
21	Controlling the Chirping of Chorus Waves via Magnetic Field Inhomogeneity. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087791.	1.5	22
22	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
23	Zero frequency zonal flow excitation by energetic electron driven beta-induced Alfvén eigenmode. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 105012.	0.9	3
24	Nonlinear excitation of a geodesic acoustic mode by toroidal Alfvén eigenmodes and the impact on plasma performance. <i>Nuclear Fusion</i> , 2019, 59, 066031.	1.6	15
25	Resonant Mode Conversion of Alfvén Waves to Kinetic Alfvén Waves in an Inhomogeneous Plasma. <i>Astrophysical Journal</i> , 2019, 881, 61.	1.6	7
26	Analysis of Heat Transfer Characteristics of Fractured Surrounding Rock in Deep Underground Spaces. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-11.	0.6	9
27	Self-consistent kinetic theory with nonlinear wave-particle resonances. <i>Plasma Science and Technology</i> , 2019, 21, 125101.	0.7	12
28	On the cascading of collisionless trapped-electron mode turbulence in tokamak plasmas. <i>Nuclear Fusion</i> , 2019, 59, 074003.	1.6	4
29	Gyrokinetic theory of the nonlinear saturation of a toroidal Alfvén eigenmode. <i>Nuclear Fusion</i> , 2019, 59, 066024.	1.6	16
30	Active control of Alfvén eigenmodes in magnetically confined toroidal plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 054007.	0.9	37
31	Observational evidence of the drift-mirror plasma instability in Earth's inner magnetosphere. <i>Physics of Plasmas</i> , 2019, 26, 042110.	0.7	18
32	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
33	Characterisation of the fast-ion edge resonant transport layer induced by 3D perturbative fields in the ASDEX Upgrade tokamak through full orbit simulations. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 014038.	0.9	30
34	A new particle simulation scheme using electromagnetic fields. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 035004.	0.9	5
35	On drift wave instabilities excited by strong plasma gradients in toroidal plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	5
36	Short wavelength geodesic acoustic mode excitation by energetic particles. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	5

#	ARTICLE	IF	CITATIONS
37	Effects of radial envelope modulations on the collisionless trapped-electron mode in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 055011.	0.9	4
38	Nonlinear Decay and Plasma Heating by a Toroidal Alfvén Eigenmode. <i>Physical Review Letters</i> , 2018, 120, 135001.	2.9	32
39	Special issue on instabilities and nonlinear phenomena in plasmas in memory of professor Changxuan Yu. <i>Plasma Science and Technology</i> , 2018, 20, 090101.	0.7	0
40	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
41	Kinetic theory of geodesic acoustic modes in toroidal plasmas: a brief review. <i>Plasma Science and Technology</i> , 2018, 20, 094004.	0.7	34
42	Identify the nonlinear wave-particle interaction regime in rising tone chorus generation. <i>Geophysical Research Letters</i> , 2017, 44, 3441-3446.	1.5	55
43	Nonlinear excitation of finite-radial-scale zonal structures by toroidal Alfvén eigenmode. <i>Nuclear Fusion</i> , 2017, 57, 056017.	1.6	12
44	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
45	Quasilinear analysis of saturation properties of broadband whistler mode waves. <i>Geophysical Research Letters</i> , 2017, 44, 8122-8129.	1.5	25
46	Investigations of the electron phase space dynamics in triggered whistler wave emissions using low noise δf method. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 094001.	0.9	15
47	On energetic-particle excitations of low-frequency Alfvén eigenmodes in toroidal plasma. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	22
48	Analysis of the Duration of Rising Tone Chorus Elements. <i>Geophysical Research Letters</i> , 2017, 44, 12,074.	1.5	29
49	Numerical thermalization in one- and two-dimensional particle-in-cell simulations with Monte-Carlo collisions. , 2016, , .		0
50	Effects of energetic particles on zonal flow generation by toroidal Alfvén eigenmode. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	29
51	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6620-6631.	0.8	67
52	Fine structure zonal flow excitation by beta-induced Alfvén eigenmode. <i>Nuclear Fusion</i> , 2016, 56, 106013.	1.6	14
53	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
54	Physics of Alfvén waves and energetic particles in burning plasmas. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	325

#	ARTICLE	IF	CITATIONS
55	Resonant excitation of whistler waves by a helical electron beam. Geophysical Research Letters, 2016, 43, 2413-2421.	1.5	35
56	3D electrostatic gyrokinetic electron and fully kinetic ion simulation of lower-hybrid drift instability of Harris current sheet. Physics of Plasmas, 2016, 23, 072104.	0.7	3
57	Study of discrete-particle effects in a one-dimensional plasma simulation with the Krook type collision model. Physics of Plasmas, 2015, 22, .	0.7	3
58	Global theory of beta-induced Alfvén eigenmode excited by energetic ions. Physics of Plasmas, 2015, 22, 092501.	0.7	30
59	A possible mechanism for the formation of filamentous structures in magnetoplasmas by kinetic Alfvén waves. Journal of Geophysical Research: Space Physics, 2015, 120, 61-69.	0.8	14
60	First evidence for chorus at a large geocentric distance as a source of plasmaspheric hiss: Coordinated THEMIS and Van Allen Probes observation. Geophysical Research Letters, 2015, 42, 241-248.	1.5	48
61	Spontaneous excitation of convective cells by kinetic Alfvén waves. Europhysics Letters, 2015, 112, 65001.	0.7	6
62	Energetic particles and multi-scale dynamics in fusion plasmas. Plasma Physics and Controlled Fusion, 2015, 57, 014024.	0.9	57
63	On fast radial propagation of parametrically excited geodesic acoustic mode. Physics of Plasmas, 2015, 22, 042512.	0.7	10
64	Nonlinear dynamics of phase space zonal structures and energetic particle physics in fusion plasmas. New Journal of Physics, 2015, 17, 013052.	1.2	91
65	On excitation of Alfvén waves by energetic particles in fusion and space plasmas. , 2015, , .		1
66	Physics of Alfvén Waves. , 2014, , .		2
67	Nonlinear Dynamics of Toroidal Alfvén Eigenmodes via Nonlinear Mode Coupling. , 2014, , .		1
68	Gyrokinetic theory of electrostatic lower-hybrid drift instabilities in a current sheet with guide field. Physics of Plasmas, 2014, 21, 052104.	0.7	6
69	Excitation of kinetic geodesic acoustic modes by drift waves in nonuniform plasmas. Physics of Plasmas, 2014, 21, 022304.	0.7	31
70	Nonlinear physics of shear Alfvén waves. , 2014, , .		7
71	Theory on excitations of drift Alfvén waves by energetic particles. I. Variational formulation. Physics of Plasmas, 2014, 21, 072120.	0.7	56
72	Nonlinear excitation of geodesic acoustic mode by collisionless trapped electron mode. Nuclear Fusion, 2014, 54, 033010.	1.6	6

#	ARTICLE	IF	CITATIONS
73	First observation of rising-tone magnetosonic waves. <i>Geophysical Research Letters</i> , 2014, 41, 7419-7426.	1.5	66
74	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
75	On nonlinear geodesic acoustic modes in tokamak plasmas. <i>Europhysics Letters</i> , 2014, 107, 15003.	0.7	20
76	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. <i>Geophysical Research Letters</i> , 2014, 41, 6307-6313.	1.5	51
77	EXCITATION OF KINETIC ALFVÉN WAVES BY FAST ELECTRON BEAMS. <i>Astrophysical Journal</i> , 2014, 793, 13.	1.6	25
78	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013, 40, 4127-4132.	1.5	134
79	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. <i>Nature</i> , 2013, 504, 411-414.	13.7	608
80	Characteristics of the Poynting flux and wave normal vectors of whistler-mode waves observed on THEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1461-1471.	0.8	101
81	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
82	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
83	On nonlinear physics of shear Alfvén waves. <i>Physics of Plasmas</i> , 2013, 20, 055402.	0.7	49
84	Nonstationary oscillation of gyrotron backward wave oscillators with cylindrical interaction structure. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	2
85	Spontaneous excitation of geodesic acoustic mode by toroidal Alfvén eigenmodes. <i>Europhysics Letters</i> , 2013, 101, 35001.	0.7	18
86	Nonlinear Excitations of Zonal Structures by Toroidal Alfvén Eigenmodes. <i>Physical Review Letters</i> , 2012, 109, 145002.	2.9	70
87	Nonlinear dynamics of beta-induced Alfvén eigenmode driven by energetic particles. <i>Physical Review E</i> , 2012, 86, 045401.	0.8	25
88	Fractional Resonances between Waves and Energetic Particles in Tokamak Plasmas. <i>Physical Review Letters</i> , 2012, 109, 035003.	2.9	24
89	Linear and nonlinear behaviors of gyrotron backward wave oscillators. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	8
90	Theoretical studies of gyrotron backward wave oscillators. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
91	Geodesic acoustic mode excitation by a spatially broad energetic particle beam. Physics of Plasmas, 2012, 19, .	0.7	28
92	An extended hybrid magnetohydrodynamics gyrokinetic model for numerical simulation of shear Alfvén waves in burning plasmas. Physics of Plasmas, 2011, 18, .	0.7	44
93	Finite-mass fluid electron simulation of kinetic and inertial Alfvén waves in a sheared magnetic field. Physica Scripta, 2011, 84, 025506.	1.2	3
94	Gyrokinetic theory of parametric decays of kinetic Alfvén waves. Europhysics Letters, 2011, 96, 35001.	0.7	28
95	Comment on "Electrostatic and Magnetic Transport of Energetic Ions in Turbulent Plasmas", Physical Review Letters, 2011, 107, 239501; discussion 239502.	2.9	10
96	Kinetic Alfvén wave instability driven by a field-aligned current in high- β plasmas. Physical Review E, 2011, 84, 046406.	0.8	18
97	Kinetic Theories of Geodesic Acoustic Modes: Radial Structure, Linear Excitation by Energetic Particles and Nonlinear Saturation. Plasma Science and Technology, 2011, 13, 257-266.	0.7	39
98	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
99	Overview of FTU results. Nuclear Fusion, 2011, 51, 094015.	1.6	10
100	2D continuous spectrum of shear Alfvén waves in the presence of a magnetic island. Plasma Physics and Controlled Fusion, 2011, 53, 025009.	0.9	16
101	A finite-mass fluid electron simulation model for low-frequency electromagnetic waves in magnetized plasmas. Plasma Physics and Controlled Fusion, 2011, 53, 062002.	0.9	7
102	Investigation of tearing instability using GeFi particle simulation model. Physics of Plasmas, 2011, 18, 122102.	0.7	11
103	Polarizations of coupling kinetic Alfvén and slow waves. Physics of Plasmas, 2011, 18, .	0.7	12
104	Kinetic structures of shear Alfvén and acoustic wave spectra in burning plasmas. Journal of Physics: Conference Series, 2010, 260, 012022.	0.3	28
105	Pressure-gradient-induced Alfvén eigenmodes: I. Ideal MHD and finite ion Larmor radius effects. Plasma Physics and Controlled Fusion, 2010, 52, 015004.	0.9	14
106	Pressure-gradient-induced Alfvén eigenmodes: II. Kinetic excitation with ion temperature gradient. Plasma Physics and Controlled Fusion, 2010, 52, 015005.	0.9	13
107	Relativistic ion cyclotron instability driven by energetic alpha particles in plasma under magnetic field with sinusoidal nonuniformities. Plasma Physics and Controlled Fusion, 2010, 52, 015006.	0.9	1
108	Localized cyclotron mode driven by fast particles under a nonuniform magnetic field. Physical Review E, 2010, 81, 026404.	0.8	1

#	ARTICLE	IF	CITATIONS
109	Continuous Spectrum of Shear Alfvén Waves within Magnetic Islands. Physical Review Letters, 2010, 105, 095002.	2.9	32
110	Scalings of energetic particle transport by ion temperature gradient microturbulence. Physics of Plasmas, 2010, 17, .	0.7	26
111	Kinetic Alfvén wave instability driven by electron temperature anisotropy in high- β^2 plasmas. Physics of Plasmas, 2010, 17, .	0.7	26
112	Theory and simulation of discrete kinetic beta induced Alfvén eigenmode in tokamak plasmas. Plasma Physics and Controlled Fusion, 2010, 52, 115005.	0.9	72
113	Shear Alfvén wave continuous spectrum within magnetic islands. Physics of Plasmas, 2010, 17, .	0.7	7
114	Nonlocal theory of energetic-particle-induced geodesic acoustic mode. Plasma Physics and Controlled Fusion, 2010, 52, 095003.	0.9	57
115	ION HEATING BY A SPECTRUM OF OBLIQUELY PROPAGATING LOW-FREQUENCY ALFVÉN WAVES. Astrophysical Journal, 2009, 704, 743-749.	1.6	39
116	Radial Spreading of Drift-Wave Zonal-Flow Turbulence via Soliton Formation. Physical Review Letters, 2009, 103, 055002.	2.9	28
117	The importance of parallel nonlinearity in the self-interaction of geodesic acoustic mode. Nuclear Fusion, 2009, 49, 125009.	1.6	20
118	High-frequency fishbones at JET: theoretical interpretation of experimental observations. Nuclear Fusion, 2009, 49, 085009.	1.6	58
119	Overview of the FTU results. Nuclear Fusion, 2009, 49, 104013.	1.6	24
120	Collisionless damping of short wavelength geodesic acoustic modes. Plasma Physics and Controlled Fusion, 2009, 51, 012001.	0.9	70
121	Nonlinear saturation of mirror instability. Geophysical Research Letters, 2008, 35, .	1.5	12
122	Structures of the low frequency Alfvén continuous spectrum and their consequences on MHD and micro-turbulence. , 2008, , .		9
123	Alfvén waves: a journey between space and fusion plasmas. Plasma Physics and Controlled Fusion, 2008, 50, 124001.	0.9	39
124	Nonlinear Dynamics and Complex Behaviors in Magnetized Plasmas of Fusion Interest. , 2008, , .		6
125	Transport of Energetic Particles by Microturbulence in Magnetized Plasmas. Physical Review Letters, 2008, 101, 095001.	2.9	121
126	Theory of charged particle heating by low-frequency Alfvén waves. Physics of Plasmas, 2008, 15, .	0.7	20

#	ARTICLE	IF	CITATIONS
127	A particle simulation of current sheet instabilities under finite guide field. <i>Physics of Plasmas</i> , 2008, 15, 072103.	0.7	22
128	Radial structures and nonlinear excitation of geodesic acoustic modes. <i>Europhysics Letters</i> , 2008, 83, 35001.	0.7	169
129	Gyrokinetic theory and simulation of mirror instability. <i>Physics of Plasmas</i> , 2007, 14, 042108.	0.7	12
130	Nonlinear equilibria, stability and generation of zonal structures in toroidal plasmas. <i>Nuclear Fusion</i> , 2007, 47, 886-891.	1.6	34
131	Global gyrokinetic particle simulations with kinetic electrons. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B163-B172.	0.9	53
132	Theory of Alfvén waves and energetic particle physics in burning plasmas. <i>Nuclear Fusion</i> , 2007, 47, S727-S734.	1.6	130
133	Electron fishbones: theory and experimental evidence. <i>Nuclear Fusion</i> , 2007, 47, 1588-1597.	1.6	137
134	Wave-Particle Decorrelation and Transport of Anisotropic Turbulence in Collisionless Plasmas. <i>Physical Review Letters</i> , 2007, 99, 265003.	2.9	61
135	Eigenmode stability analysis of drift-mirror modes in nonuniform plasmas. <i>Annales Geophysicae</i> , 2006, 24, 2435-2439.	0.6	17
136	Resonant and non-resonant particle dynamics in Alfvén mode excitations. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, 537-556.	0.9	52
137	Physics of burning plasmas in toroidal magnetic confinement devices. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, B15-B28.	0.9	68
138	Discrete Alfvén eigenmodes excited by energetic particles in high- β^2 toroidal plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, 1251-1269.	0.9	12
139	Nonlinear toroidal mode coupling: a new paradigm for drift wave turbulence in toroidal plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, B71-B81.	0.9	23
140	A gyrokinetic electron and fully kinetic ion plasma simulation model. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, 657-669.	0.9	43
141	Transition from weak to strong energetic ion transport in burning plasmas. <i>Nuclear Fusion</i> , 2005, 45, 477-484.	1.6	78
142	Role of nonlinear toroidal coupling in electron temperature gradient turbulence. <i>Physics of Plasmas</i> , 2005, 12, 056125.	0.7	75
143	Zonal flow dynamics and anomalous transport. <i>Physics of Plasmas</i> , 2005, 12, 057304.	0.7	7
144	Zonal-Flow Dynamics and Size Scaling of Anomalous Transport. <i>Physical Review Letters</i> , 2004, 92, 075004.	2.9	52

#	ARTICLE	IF	CITATIONS
145	Discrete Alfvén eigenmodes in high- β^2 toroidal plasmas. <i>Physics of Plasmas</i> , 2004, 11, 1-4.	0.7	30
146	Study of kinetic shear Alfvén instability in tokamak plasmas. <i>Physics of Plasmas</i> , 2004, 11, 997-1005.	0.7	19
147	Nonlinear paradigm for drift wave-zonal flow interplay: Coherence, chaos, and turbulence. <i>Physics of Plasmas</i> , 2004, 11, 2488-2496.	0.7	52
148	Finite gyroradius theory of drift compressional modes. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	29
149	Nonlinear saturation of high-m Alfvén ballooning modes in magnetospheric plasmas. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	1
150	Kinetic theory of geomagnetic pulsations: 4. Hybrid gyrokinetic simulation of drift-bounce resonant excitation of shear Alfvén waves. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	15
151	Bounce precession fishbones in the national spherical torus experiment. <i>Nuclear Fusion</i> , 2003, 43, 1258-1264.	1.6	56
152	Gyrokinetic Theory and Simulations of Alfvénic Instabilities in Dipole Plasmas. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	0
153	Gyrokinetic particle-in-cell simulation of Alfvénic ion-temperature-gradient modes in tokamak plasma. <i>Physics of Plasmas</i> , 2002, 9, 861-868.	0.7	12
154	Resonant plasma heating below the cyclotron frequency. <i>Physics of Plasmas</i> , 2002, 9, 1890-1897.	0.7	76
155	Electron temperature gradient instability in toroidal plasmas. <i>Physics of Plasmas</i> , 2002, 9, 4699-4708.	0.7	27
156	Energetic particle mode stability in tokamaks with hollow q-profiles. <i>Physics of Plasmas</i> , 2002, 9, 4939-4956.	0.7	73
157	A fluid-kinetic hybrid electron model for electromagnetic simulations. <i>Physics of Plasmas</i> , 2001, 8, 1447-1450.	0.7	111
158	Non-linear zonal dynamics of drift and drift-Alfvén turbulence in tokamak plasmas. <i>Nuclear Fusion</i> , 2001, 41, 747-753.	1.6	72
159	On resonant heating below the cyclotron frequency. <i>Physics of Plasmas</i> , 2001, 8, 4713-4716.	0.7	150
160	Shear flow generation by drift waves revisited. <i>Physics of Plasmas</i> , 2001, 8, 459-462.	0.7	55
161	Reply to "Comment on "Ward identities for transport of classical waves in disordered media" . <i>Physical Review E</i> , 2001, 64, .	0.8	3
162	Numerical simulations of toroidal Alfvén instabilities excited by trapped energetic ions. <i>Physics of Plasmas</i> , 2000, 7, 2469-2476.	0.7	14

#	ARTICLE	IF	CITATIONS
163	Destabilization of energetic particle modes by localized particle sources. <i>Physics of Plasmas</i> , 2000, 7, 4600-4608.	0.7	57
164	Internal Kink Instability during Off-Axis Electron Cyclotron Current Drive in the DIII-D Tokamak. <i>Physical Review Letters</i> , 2000, 85, 996-999.	2.9	114
165	Excitation of zonal flow by drift waves in toroidal plasmas. <i>Physics of Plasmas</i> , 2000, 7, 3129-3132.	0.7	271
166	High and low frequency Alfvén modes in tokamaks. <i>Nuclear Fusion</i> , 2000, 40, 701-706.	1.6	8
167	Effect of rotation on ideal and resistive MHD modes. <i>Nuclear Fusion</i> , 1999, 39, 2107-2111.	1.6	26
168	Effect of toroidal rotation on the localized modes in low beta circular tokamaks. <i>Physics of Plasmas</i> , 1999, 6, 1217-1226.	0.7	21
169	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
170	Existence of ion temperature gradient driven shear Alfvén instabilities in tokamaks. <i>Physics of Plasmas</i> , 1999, 6, 1917-1924.	0.7	116
171	Theory of plasma transport induced by low-frequency hydromagnetic waves. <i>Journal of Geophysical Research</i> , 1999, 104, 2421-2427.	3.3	81
172	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
173	Nonlinear dynamics of Alfvén eigenmodes in toroidal plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1998, 40, 1823-1829.	0.9	24
174	Plasma compressibility induced toroidal Alfvén eigenmode. <i>Physics of Plasmas</i> , 1998, 5, 444-449.	0.7	21
175	Ward identities for transport of classical waves in disordered media. <i>Physical Review E</i> , 1998, 57, 1145-1154.	0.8	9
176	Kinetic toroidal Alfvén eigenmodes in finite- \hat{r}^2 tokamak plasmas. <i>Physics of Plasmas</i> , 1998, 5, 1056-1061.	0.7	6
177	On large amplitude MHD waves in high-beta plasma. <i>Journal of Geophysical Research</i> , 1998, 103, 29569-29580.	3.3	5
178	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
179	Kinetic theory of low-frequency Alfvén modes in tokamaks. <i>Plasma Physics and Controlled Fusion</i> , 1996, 38, 2011-2028.	0.9	258
180	Kinetic theory of geomagnetic pulsations: 3. Global analysis of drift Alfvén ballooning modes. <i>Journal of Geophysical Research</i> , 1996, 101, 15441-15456.	3.3	30

#	ARTICLE	IF	CITATIONS
181	Evidence of coupling between toroidal Alfvén eigenmodes and kinetic Alfvén waves. , 1996, , .		0
182	Evidence of coupling between toroidal Alfvén eigenmodes and kinetic Alfvén waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 224, 99-103.	0.9	7
183	Theory of toroidal Alfvén modes excited by energetic particles in tokamaks. Physics of Plasmas, 1996, 3, 323-343.	0.7	90
184	Gyrokinetic-magnetohydrodynamic hybrid simulation of the transition from toroidal Alfvén eigenmodes to kinetic ballooning modes in tokamaks. Physics of Plasmas, 1996, 3, 2349-2352.	0.7	35
185	First Observation of Alpha Particle Loss Induced by Kinetic Ballooning Modes in TFTR Deuterium-Tritium Experiments. Physical Review Letters, 1996, 76, 1071-1074.	2.9	26
186	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
187	Theory of shear Alfvén waves in toroidal plasmas. Physica Scripta, 1995, T60, 81-90.	1.2	58
188	Nonlinear Saturation of Toroidal Alfvén Eigenmodes via Ion Compton Scattering. Physical Review Letters, 1995, 74, 266-269.	2.9	52
189	Preparations for deuterium-tritium experiments on the Tokamak Fusion Test Reactor*. Physics of Plasmas, 1994, 1, 1560-1567.	0.7	7
190	Theory of magnetohydrodynamic instabilities excited by energetic particles in tokamaks*. Physics of Plasmas, 1994, 1, 1519-1522.	0.7	314
191	Global structures of Alfvén-ballooning modes in magnetospheric plasmas. Geophysical Research Letters, 1994, 21, 2091-2094.	1.5	40
192	Kinetic theory of geomagnetic pulsations: 2. Ion flux modulations by transverse waves. Journal of Geophysical Research, 1994, 99, 179.	3.3	19
193	Anisotropic Alfvén-ballooning modes in Earth's magnetosphere. Journal of Geophysical Research, 1994, 99, 17351.	3.3	58
194	Theory of magnetohydrodynamic instabilities excited by energetic particles in tokamaks. AIP Conference Proceedings, 1994, , .	0.3	1
195	Ion cyclotron range of frequency heating on the Tokamak Fusion Test Reactor*. Physics of Fluids B, 1993, 5, 2437-2444.	1.7	8
196	Theory of continuum damping of toroidal Alfvén eigenmodes in finite- β tokamaks. Physics of Fluids B, 1993, 5, 3668-3690.	1.7	90
197	Theory of kinetic ballooning modes excited by energetic particles in tokamaks. Physics of Fluids B, 1993, 5, 3284-3290.	1.7	116
198	Resonant damping of toroidicity-induced shear-Alfvén eigenmodes in tokamaks. Physical Review Letters, 1992, 68, 592-595.	2.9	186

#	ARTICLE	IF	CITATIONS
199	Three-dimensional hybrid gyrokinetic-magnetohydrodynamics simulation. <i>Physics of Fluids B</i> , 1992, 4, 2033-2037.	1.7	115
200	Status and Plans for TFTR. <i>Fusion Science and Technology</i> , 1992, 21, 1324-1331.	0.6	23
201	A Description of a D- ³ He Fusion Reactor Based on a Dipole Magnetic Field. <i>Fusion Science and Technology</i> , 1992, 22, 27-34.	0.6	10
202	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
203	Theory of field line resonances of standing shear Alfvén waves in three-dimensional inhomogeneous plasmas. <i>Journal of Geophysical Research</i> , 1992, 97, 3219-3222.	3.3	13
204	Kinetic theory of geomagnetic pulsations: 1. Internal excitations by energetic particles. <i>Journal of Geophysical Research</i> , 1991, 96, 1503-1512.	3.3	236
205	The effect of the ion transit resonance on the resistive magnetohydrodynamic modes. <i>Physics of Fluids B</i> , 1991, 3, 329-335.	1.7	10
206	Kinetic theory of the ion-temperature-gradient-driven mode in the long wavelength limit. <i>Physics of Fluids B</i> , 1991, 3, 2496-2505.	1.7	24
207	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
208	Stability of internal kink modes with energetic trapped particles. <i>Nuclear Fusion</i> , 1991, 31, 631-646.	1.6	14
209	Ballooning instabilities in tokamaks with sheared toroidal flows. <i>Physics of Fluids B</i> , 1991, 3, 601-610.	1.7	109
210	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
211	Self-consistent theory of cyclotron autoresonance maser in a uniform planar waveguide. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1990, 11, 821-835.	0.6	5
212	A D- ³ He fusion reactor based on a dipole magnetic field. <i>Nuclear Fusion</i> , 1990, 30, 2405-2413.	1.6	87
213	Plasma-induced efficiency enhancement in a backward wave oscillator. <i>Physical Review Letters</i> , 1989, 63, 2808-2811.	2.9	51
214	Ion temperature gradient instability and anomalous transport. <i>Plasma Physics and Controlled Fusion</i> , 1989, 31, 423-430.	0.9	16
215	On field line resonances of hydromagnetic Alfvén waves in dipole magnetic field. <i>Geophysical Research Letters</i> , 1989, 16, 895-897.	1.5	70
216	Correction to "On field line resonance of hydromagnetic Alfvén waves in dipole magnetic field". <i>Geophysical Research Letters</i> , 1989, 16, 1079-1079.	1.5	0

#	ARTICLE	IF	CITATIONS
217	Nonlinear interaction of energetic ring current protons with magnetospheric hydromagnetic waves. <i>Geophysical Research Letters</i> , 1989, 16, 1133-1136.	1.5	26
218	On magnetospheric hydromagnetic waves excited by energetic ring current particles. <i>Journal of Geophysical Research</i> , 1988, 93, 8763-8767.	3.3	66
219	Ion radial transport induced by ICRF waves in tokamaks. <i>Nuclear Fusion</i> , 1988, 28, 389-398.	1.6	100
220	Linear theory of an electron cyclotron autoresonance maser with a phase filter. <i>Physics of Fluids</i> , 1988, 31, 3116.	1.4	12
221	Gyrophase-coherent electron cyclotron maser. <i>Physics of Fluids</i> , 1988, 31, 3120.	1.4	20
222	Asymptotic stability boundaries of ballooning modes in circular tokamaks. <i>Nuclear Fusion</i> , 1987, 27, 1918-1921.	1.6	12
223	Energetic particle stabilization of m=1 internal kink mode in tokamaks. <i>Chinese Physics Letters</i> , 1987, 4, 561-564.	1.3	14
224	The breakdown of differential approximation for ion drift modes (plasma). <i>Plasma Physics and Controlled Fusion</i> , 1986, 28, 943-945.	0.9	0
225	Semicollisional drift-tearing modes in toroidal plasmas. <i>Physics of Fluids</i> , 1986, 29, 1891.	1.4	21
226	Microinstabilities in weak density gradient tokamak systems. <i>Physics of Fluids</i> , 1986, 29, 3715.	1.4	86
227	Influence of resistivity on energetic trapped particle-induced internal kink modes. <i>Physics of Fluids</i> , 1986, 29, 1760.	1.4	31
228	Theory of energetic trapped particle-induced resistive interchange ballooning modes. <i>Physics of Fluids</i> , 1986, 29, 2960-2974.	1.4	16
229	High-n ideal and resistive shear Alfvén waves in tokamaks. <i>Annals of Physics</i> , 1985, 161, 21-47.	1.0	443
230	Theory of semicollisional drift-interchange modes in cylindrical plasmas. <i>Physics of Fluids</i> , 1985, 28, 2432.	1.4	10
231	Theory of semicollisional kinetic Alfvén modes in sheared magnetic fields. <i>Physics of Fluids</i> , 1985, 28, 3061.	1.4	17
232	Resistive ballooning modes in an axisymmetric toroidal plasma with long mean free path. <i>Physics of Fluids</i> , 1985, 28, 2201.	1.4	50
233	Magnetohydrodynamic ballooning instabilities excited by energetic trapped particles. <i>Physics of Fluids</i> , 1985, 28, 1359.	1.4	49
234	Trapped particle destabilization of the internal kink mode. <i>Physics of Fluids</i> , 1985, 28, 278-286.	1.4	91

#	ARTICLE	IF	CITATIONS
235	Excitation of Internal Kink Modes by Trapped Energetic Beam Ions. <i>Physical Review Letters</i> , 1984, 52, 1122-1125.	2.9	478
236	Linear relativistic gyrokinetic equation in general magnetically confined plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1984, 26, 907-914.	0.9	8
237	Nonlinear excitation of magnetostatic fluctuations by kinetic drift-Alfvén waves. <i>Physics of Fluids</i> , 1983, 26, 1382.	1.4	5
238	Dissipative effects on finite-Larmor-radius-modified magnetohydrodynamic ballooning modes. <i>Nuclear Fusion</i> , 1983, 23, 881-886.	1.6	2
239	Ion-temperature-gradient instability in toroidal plasmas. <i>Physics of Fluids</i> , 1983, 26, 673.	1.4	110
240	Electrostatic waves in general magnetic field configurations. <i>Physics of Fluids</i> , 1983, 26, 141.	1.4	22
241	Linear oscillations in general magnetically confined plasmas. <i>Plasma Physics</i> , 1983, 25, 349-359.	0.9	49
242	On the stability of drift waves with the integral eigenmode equation. <i>Plasma Physics</i> , 1982, 24, 743-751.	0.9	8
243	Nonlinear gyrokinetic equations for low-frequency electromagnetic waves in general plasma equilibria. <i>Physics of Fluids</i> , 1982, 25, 502.	1.4	678
244	Ballooning-mode theory of trapped-electron instabilities in tokamaks. <i>Nuclear Fusion</i> , 1981, 21, 403-408.	1.6	33
245	Absolute dissipative drift-wave instabilities in tokamaks. <i>Nuclear Fusion</i> , 1980, 20, 901-905.	1.6	27
246	Stability of drift-wave eigenmodes with arbitrary radial wavelengths. <i>Nuclear Fusion</i> , 1980, 20, 482-485.	1.6	8
247	Fluctuations and transport in an inhomogeneous plasma. <i>Physics of Fluids</i> , 1980, 23, 1973.	1.4	5
248	Drift-wave eigenmodes in toroidal plasmas. <i>Physics of Fluids</i> , 1980, 23, 2242.	1.4	93
249	Unstable universal drift eigenmodes in toroidal plasmas. <i>Physics of Fluids</i> , 1980, 23, 1770.	1.4	39
250	Theory of dissipative drift instabilities in sheared magnetic fields. <i>Nuclear Fusion</i> , 1979, 19, 373-387.	1.6	60
251	Analytical Theory of Drift Waves and Drift-Alfvén Waves in Tokamaks. <i>Physical Review Letters</i> , 1979, 42, 708-711.	2.9	28
252	Theory of finite- β^2 -modified drift waves. <i>Nuclear Fusion</i> , 1978, 18, 1371-1378.	1.6	11

#	ARTICLE	IF	CITATIONS
253	The internal $m = 1$ resistive mode in high-temperature plasma. Nuclear Fusion, 1978, 18, 1583-1586.	1.6	3
254	Theory of Universal Eigenmodes in a Sheared Magnetic Field. Physical Review Letters, 1978, 41, 649-653.	2.9	44
255	Effect of Magnetic Shear on Dissipative Drift-Wave Instabilities. Physical Review Letters, 1978, 40, 1566-1570.	2.9	35
256	Spatial depletion of the lower hybrid cone through parametric decay. Nuclear Fusion, 1977, 17, 779-785.	1.6	26
257	Lower hybrid parametric instabilities—Nonuniform pump waves and tokamak applications. Physics of Fluids, 1977, 20, 1864.	1.4	53
258	Drift-Modified Tearing Instabilities Due to Trapped Electrons. Physical Review Letters, 1977, 39, 460-463.	2.9	53
259	Nonlinear Saturation of the Dissipative Trapped-Electron Instability. Physical Review Letters, 1977, 39, 754-757.	2.9	32
260	Eigenmode description of the hot ion cyclotron beam-whistler mode instability in parallel shock waves. Physics of Fluids, 1977, 20, 1758.	1.4	2
261	Saturation of the parametric-decay instability near the lower-hybrid frequency. Physics of Fluids, 1977, 20, 808.	1.4	13
262	Parametric excitation of 'kinetic' Alfvén waves by whistler waves. Plasma Physics, 1977, 19, 47-51.	0.9	34
263	Three dimensional stationary plasmon distributions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1977, 61, 462-464.	0.9	2
264	Kinetic processes in plasma heating by resonant mode conversion of Alfvén wave. Physics of Fluids, 1976, 19, 1924.	1.4	478
265	Kinetic modulational instability of Langmuir turbulence. Physics Letters, Section A: General, Atomic and Solid State Physics, 1976, 58, 185-186.	0.9	2
266	Eigenoscillations of the ion cyclotron beam-whistler turbulence excited in collisionless parallel shock waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 1976, 58, 462-464.	0.9	3
267	Plasma heating by induced scattering of magnetosonic waves. Nuclear Fusion, 1976, 16, 509-512.	1.6	5
268	Stability of trapped-particle modes in lower-hybrid pump. Nuclear Fusion, 1976, 16, 661-665.	1.6	3
269	Excitation of fast waves by slow waves near the lower-hybrid frequency. Physics of Fluids, 1976, 19, 1392.	1.4	15
270	Parametric instabilities excited by localized pumps near the lower-hybrid frequency. Physics of Fluids, 1976, 19, 1223.	1.4	8

#	ARTICLE	IF	CITATIONS
271	Parametric Decay of "Kinetic Alfvén Wave" and Its Application to Plasma Heating. Physical Review Letters, 1976, 36, 1362-1365.	2.9	109
272	Theory of plasma simulation using multipole-expansion scheme. Journal of Computational Physics, 1975, 19, 339-352.	1.9	12
273	Kinetic Process of Plasma Heating Due to Alfvén Wave Excitation. Physical Review Letters, 1975, 35, 370-373.	2.9	294
274	Theory of plasma heating by nonlinear excitation of lower hybrid resonance. Physics of Fluids, 1975, 18, 1321.	1.4	48
275	Collisional effects on ion-acoustic waves in a nonequilibrium plasma. Physics of Fluids, 1974, 17, 1744.	1.4	9
276	Reduction of the grid effects in simulation plasmas. Journal of Computational Physics, 1974, 14, 200-222.	1.9	21
277	Theory of magnetic pulsations. Space Science Reviews, 1974, 16, 347.	3.7	65
278	High-frequency conductivity of a magnetized plasma with fluctuations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1974, 47, 229-230.	0.9	3
279	Theory of Ulf modulation of VLF emissions. Geophysical Research Letters, 1974, 1, 73-75.	1.5	48
280	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
281	A theory of long-period magnetic pulsations: 2. Impulse excitation of surface eigenmode. Journal of Geophysical Research, 1974, 79, 1033-1037.	3.3	303
282	ULF pulsation evidence of the plasmopause 3. Interpretation of polarization and spectral amplitude studies of Pc 3 and Pc 4 pulsations near $L=4$. Journal of Geophysical Research, 1974, 79, 4648-4653.	3.3	73
283	Plasma heating by spatial resonance of Alfvén wave. Physics of Fluids, 1974, 17, 1399.	1.4	342
284	Plasma Heating by Alfvén-Wave Phase Mixing. Physical Review Letters, 1974, 32, 454-456.	2.9	207
285	Heating of magnetized plasmas by a large-amplitude low-frequency electric field. Physics of Fluids, 1973, 16, 2229.	1.4	11
286	Excitation of the Plasmopause at Ultralow Frequencies. Physical Review Letters, 1973, 31, 624-628.	2.9	60
287	Shielding of moving test particles in warm, isotropic plasma. Journal of Plasma Physics, 1973, 9, 311-324.	0.7	47
288	Construction of quasi-cyclic LDPC codes based on the minimum weight codewords of reed-solomon codes. , 0, , .		18

#	ARTICLE	IF	CITATIONS
289	Theory of the Drift Mirror Instability. Geophysical Monograph Series, 0, , 173-177.	0.1	9